



THE AMERICAN INSTITUTE OF ARCHITECTS

[Submit](#)[Logout](#)

✓ Fellowship Type

✓ Deadline and
Procedures

✓ Payment Type

✓ Payment

Nominee
Information

Nomination
Upload

Fellowship
Nominee
Information

Upload
Attachments

Submit
Summary

Key:

✓ = Section
Complete

✗ = Section
Incomplete

Submission

ID: 231061

Awards Program Information

Organization: **The American Institute of Architects**

Application: **2012 Fellowship**

Nominee Information

* = Required Field

*First Name Howard

Middle Name /
Initial Seth

*Last Name /
Surname Wertheimer

Firm Name Georgia Institute of Technology

*City Atlanta

*State GA

Province (Outside
US)

*Country United States of America

*Nominated By Chapter

*Nominee's
assigned AIA Atlanta
Chapter

*Date nominee
became AIA 1992
member

*Are you a 1st, 2nd
or 3rd year
candidate for
nomination? 1st year candidate

Please list the Name and Location of the educational institution, the Number of Years attended and the Degree received.
Please list in chronological order. Secondary education first, most recent education last.

*Nominee's Education

Jericho High School
Jericho, NY
4 years; Diploma

SUNY Alfred State College
Alfred, NY
2 years; AAS Architectural Technology

Georgia Institute of Technology
3 years; BS Architecture
(includes 1 year at Ecole des Beaux Arts; UPA 7; Paris, France)

Georgia Institute of Technology
2 years; M. Arch
(includes 1 summer in London and Cambridge England)

State(s) or territory(ies) where nominee is licensed to practice architecture.

*Practice Georgia (#6628)

(previously registered in Alabama, Arizona, Kentucky, Ohio, North Carolina, South Carolina, Tennessee)

*Nominee is engaged in the profession of architecture as:

University Architect / Director Capital Planning & Space Management

*Work History

Director, Capital Planning & Space Management (University Architect), Georgia Institute of Technology, Atlanta, Georgia, 5 years (2006-present)

Principal and Partner, Lord, Aeck & Sargent Architects; Atlanta, Georgia, 21 years (1985-2006)

Part-time Instructor, American InterContinental University, Atlanta, Georgia, 7 years (1994-2000)

Romm & Pearsall Architects; Atlanta, Georgia, 2 years (part-time).

Ogram Architects; Atlanta, Georgia, 1 year full time, 1 year part time.

John Weaver & Associates; Atlanta, Georgia, 1 year.

Berger Berman Builders; Rockville, Maryland, 1 year.

Sponsor

*Sponsor Name Larry Lord, FAIA

Sponsor Firm Name Lord, Aeck & Sargent

Sponsor City Atlanta

Sponsor State GA

Category of Nomination

Select only one from the following five objectives of nomination.

4. "To ensure the advancement of the living standards of people through their improved environment"

Fellowship in this category is granted to architects who have made notable contributions in **public service** or work in **government or industry organizations** through leadership in the development of civic improvements and needed governmental projects, including such elements as conservation, beautification, land-use regulation, transportation, or the removal of blighted areas, or who have clearly raised the standards of professional performance in these areas by advancing the administration of professional affairs in their fields.

4. Ensure government/industry organization

Describe how the nominee's work may be considered notable and how it has advanced the profession of architecture in a 25 to 35 word statement.

*Summary Statement Howard Wertheimer has redefined the planning and design of technically sophisticated university facilities by advancing the integration of architecture, landscape, engineering, technology and sustainability, creating new, innovative models for universities throughout the United States.

LORD · AECK · SARGENT
ARCHITECTURE

Gregory Palermo, FAIA
Chair, Jury of Fellows
The American Institute of Architects
1735 New York Avenue, NW
Washington, DC 20006-5292

October 20, 2011

Re: Fellowship Sponsor letter for Howard S. Wertheimer, AIA, LEED AP

Dear Mr. Palermo and Members of the Jury:

Howard Wertheimer's extraordinary accomplishments as the Director of Capital Planning and Space Management at the Georgia Institute of Technology and previously in private practice has contributed significantly to the advancement of planning and design of colleges and universities across the country. Acknowledging the outstanding results, I am delighted to sponsor Howard for elevation to Fellowship in the American Institute of Architects.

I had the good fortune of hiring Howard Wertheimer in 1985 and working with him at Lord, Aeck & Sargent for 21 years where he became my colleague and a principal in the firm. I continue to be extremely proud of his many accomplishments and his national impact in the university planning and design communities. I applaud his positive influence and reflection on the profession.

Howard is a very talented architect, strategic thinker and innovator, sharing his knowledge and expertise through his many publications, speaking engagements, and his direct interactions with the hundreds of architects who do work at Georgia Tech. He has a great sensitivity for preserving historical buildings and an influential vision developing, new sustainable, high performance buildings. He has exceptional communication and leadership skills and championed remarkable results in our projects. He was particularly instrumental in developing our firm's entry into the design of university science and engineering facilities across the country, beginning with the award winning Manufacturing Research Center at Georgia Tech, which created a new paradigm for interdisciplinary engineering research facilities. He quickly became a nationally-known subject matter expert in the higher education marketplace.

Howard always had a penchant for planning and designing technically-sophisticated university facilities, but as the years went on he recognized and promoted the idea that a university building is not an isolated object in the landscape, but rather an integral part of a larger ecosystem. He has a deep understanding of how to strategically design a campus to be a more cohesive, sustainable living-learning environment, and effectively and broadly teaching these processes. Howard has achieved an outstanding reputation, not only as an architect by serving the betterment of Georgia Tech but also as a thought leader spreading his message across the country.

Howard has made significant contributions to the profession and is actively establishing new approaches to campus planning and design with dramatic results. As such, I wholeheartedly recommend and sponsor Howard S. Wertheimer, AIA for advancement to Fellowship in the American Institute of Architects.



Larry Lord, FAIA, Principal, LEED AP

1.1 SUMMARY OF ACHIEVEMENTS

Howard Wertheimer has redefined the planning and design of technically sophisticated university facilities by advancing the integration of architecture, landscape, engineering, technology and sustainability, creating new, innovative models for universities throughout the United States.

Commitment to Excellence and Collaboration in College and University Architecture

Howard Wertheimer is leading innovation and encouraging excellence in the planning and design of technically sophisticated college and university facilities nationwide. As the Director of Capital Planning and Space Management at the Georgia Institute of Technology, Wertheimer collaborates with dozens of national and international design firms to create inspiring environments for shaping the future leaders of the world. Through this collaboration, direction and management, the Georgia Institute of Technology has become a model university of international prominence. By incorporating integrated design strategies, Wertheimer challenges architects and other design professionals to think of a campus as its own ecosystem. He inspires architects to think broadly and explore innovative ways to solve today's design challenges to transform a university campus into a living, learning laboratory - a place for continuous education, research and experimentation.

Wertheimer's leadership consistently results in carefully crafted buildings and landscapes. This includes the repurposing of Georgia Tech's first research facility, the Hinman Building, a pioneering edifice for innovative research and development, where early studies for the helicopter gyroscope took place. This building was preserved and revitalized for the College of Architecture. By integrating historic preservation, engineering, technology, sustainability and design innovation, the project recently won a **2011 Georgia AIA Honor Award** and a **2011 P/A Design Award**, providing a new level of design excellence.

Integrated Sustainable Planning and Design

Wertheimer's passion and vision is advancing the integration of architecture, landscape, engineering, technology, campus development and environmental stewardship. Since 2006, Wertheimer has directed the planning and design of almost \$1 billion in sustainable, high performance, technologically-advanced campus facilities, while at the same time creating the most significant expansion of green space in the Institute's history. Wertheimer's creation of the precedent-setting and visionary *Cistern Master Plan* is quickly eliminating the use of potable water to meet the irrigation needs of an entire campus, is an example of the kind of visionary influence he has on architects and planners throughout the country.

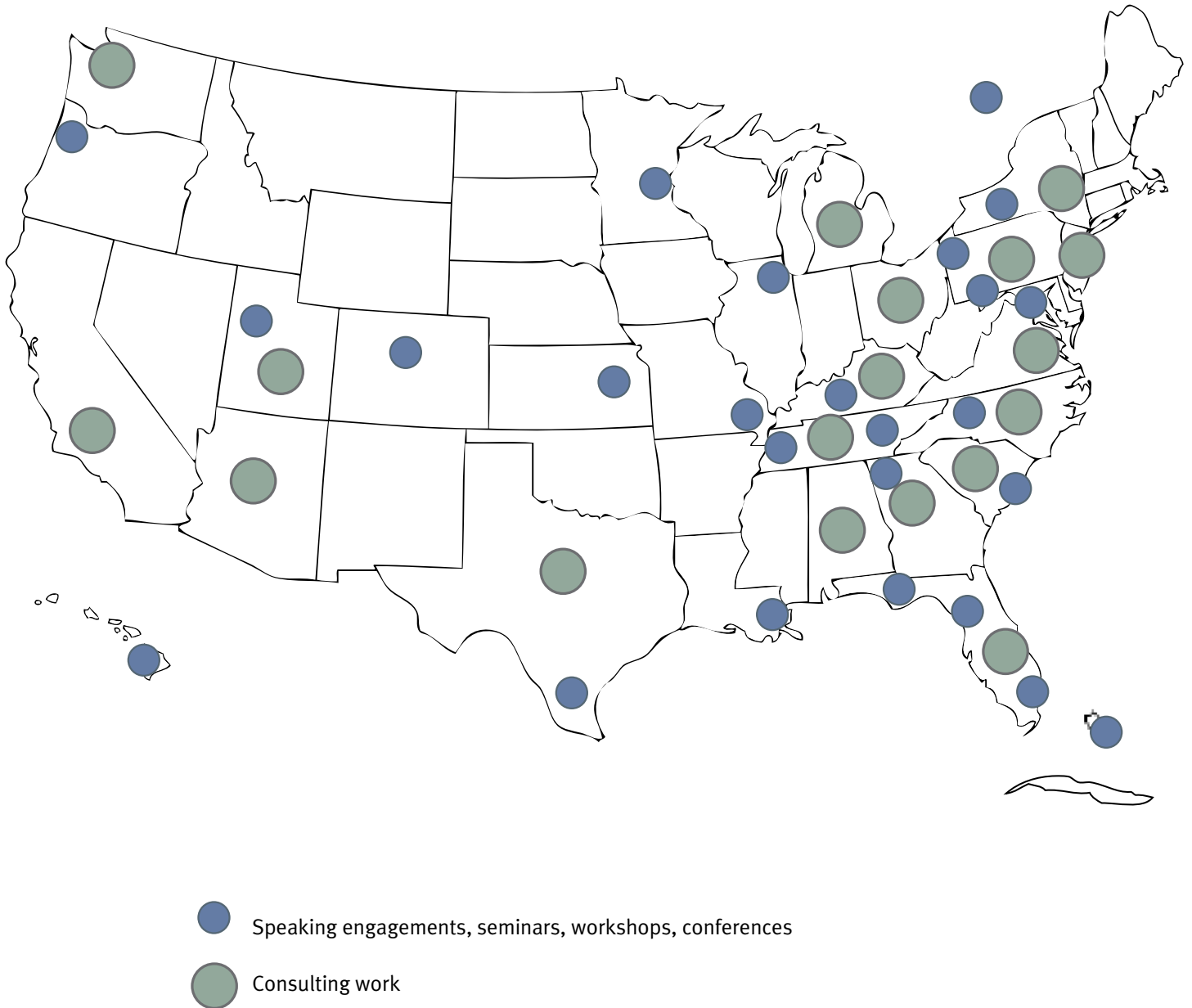
University Leadership and Outreach

Howard Wertheimer is influencing decisions on a national scale by asking the challenging questions that have a lasting, positive and profound effect on current and future generations of students, scholars and visitors. Howard has been a Project Kaleidoscope (PKAL) facilities workshop leader, presenter and author for over a decade. He serves on numerous committees on every level, is published widely, and speaks frequently at local, regional, national and international conferences. He is known as an innovative thinker and experienced manager. In 2009, he represented the university at a national press conference where Georgia Tech was presented its first Princeton Review Green Honor Roll Award. Through numerous national publications such as *ArchitectureWeek* and *GreenSource Magazine*, presentations and papers, his skills and influence have and will continue to impact every architect and landscape architect who provides professional services at colleges and universities throughout the United States.

2.1 SIGNIFICANT WORK: PROJECTS

NATIONAL IMPACT

Throughout his career, Howard Wertheimer has provided award-winning professional consulting and design services on over 30 college and university campuses in 18 states.



2.1 SIGNIFICANT WORK: PROJECTS

PRIVATE PRACTICE

While in private practice, Howard provided national leadership in the planning and design of technically sophisticated science, technology, engineering and mathematics (STEM) facilities across the country, with particular emphasis on colleges and universities, oftentimes collaborating and mentoring other architects. He develops a thorough understanding of the unique programmatic challenges, establishes goals, and shares his thoughtful analysis in advancing the space planning and building design opportunities associated with creating extraordinary places for teaching and learning.



Aaron Diamond AIDS
Research Center

Aaron Diamond AIDS Research Center (1990/1995)

World's largest private non-profit AIDS research institute
Client Dr. David Ho, 1997 Time Magazine Man of the Year
New York City, NY

Auburn University (2004)

College of Veterinary Medicine Laboratory Renovation
Auburn, AL

Clemson University (2009)

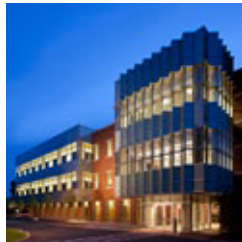
Packaging Science & Graphics
Nationally recognized integrated program
Clemson SC



Clemson University
Packaging Science &
Graphics

Clemson University (2010)

Biomedical Engineering Building
Clemson, SC



Clemson University
Biomedical Engineering

Cornell University (2007)

Vinification and Brewing Laboratory Renovation
Premier R&D facility focused on regional wine industry
Geneva, NY

Davidson College (2006)

Chemistry Building Programming
Davidson, NC

Delta Air Lines (1999)

Training, Marketing & Data Center
AIA award winning training facility
Salt Lake City, UT



Delta Air Lines Training
Center

East Carolina University (2007)

Flanagan Science Building
Greenville, NC

2.1 SIGNIFICANT WORK: PROJECTS

PRIVATE PRACTICE



Emory: Biochemistry, foreground; RSPH, beyond

Emory University (1995)

Biochemistry Building
1st green roof on campus
Atlanta, GA

Emory University (1994)

Rollins School of Public Health (RSPH)
World-renowned public health program
Atlanta, GA

Emory University (1995)

Jane Fonda Center
Atlanta, GA



Georgia Tech Food Processing Technology

Georgia State University (2002)

Center for Brain Science
Atlanta, GA

Georgia State University (1999)

Biology and Chemistry Laboratories
Atlanta, GA



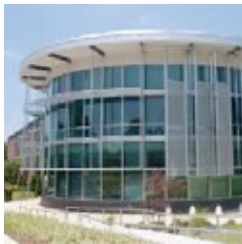
Georgia Tech MaRC

Georgia State University (2001)

Nutrition Laboratories
Atlanta, GA

Georgia Institute of Technology (2005)

Food Processing Technology Building
Industry-leading technology focused research facility
Atlanta, GA



Georgia Tech Student Health Center

Georgia Institute of Technology (1991)

Manufacturing Research Center (MaRC)
AIA award winner and precedent setting engineering research facility
Atlanta, GA

Georgia Institute of Technology (2003)

Student Health Center
Atlanta, GA

Marygrove College (2007)

Science Building Renovation
Located in National Register Historic building
Detroit, MI



Marygrove College

Medical College of Georgia (1999)

Vascular Biology Center
Augusta, GA

2.1 SIGNIFICANT WORK: PROJECTS

"The Munroe Science Center was a major undertaking for Wesleyan College – our first new academic building in almost 40 years. Howard's impressive knowledge and national perspective on undergraduate science facilities and pedagogy provided the right leadership at the right time. He guided us brilliantly, and we could not have found a better person to lead us through this process."

-Ruth Knox, President, Wesleyan College



MCG School of Dentistry

Medical College of Georgia (2011)

School of Dentistry

Only dental school in state of Georgia

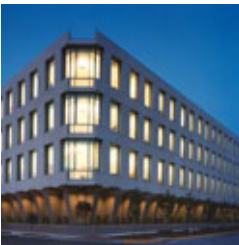
Augusta, GA

Medical College of Georgia (2006)

Interdisciplinary Research Center

Co-locates faculty research labs and industry incubator labs

Augusta, GA



MCG Interdisciplinary
Research Center

Medical University of South Carolina (2009)

Pharmacology and Microbiology/Immunology Laboratories

Charleston, SC

Meredith College (2002)

Science Building

PKAL focused for hands-on student –faculty teaching and research

Raleigh, NC



Mt. Carmel

Mt. Carmel Elementary School (1994)

AIA award-winning school

Atlanta, GA

Oakland University (2007)

Engineering Design Center Programming

Rochester, MI

Southern Polytechnic State University (2002)

Physics Building Renovation

Marietta, GA

SUNY at Geneva (2006)

Experiment Station/Food Research Laboratory Programming

Geneva, NY



Meredith College

Transylvania University (2006)

Brown Science Center Renovation

PKAL focused integrated undergraduate science facility

Lexington, KY

2.1 SIGNIFICANT WORK: PROJECTS

PRIVATE PRACTICE



Trinity School

Trinity School (1991)

AIA award-winning school

Atlanta, GA

University of Akron (2007)

Auburn West Tower Renovation; Biology and Engineering

Uniquely designed specifically for biologists and engineers

Akron, OH



University of Louisville

University of Alabama- Birmingham (1998)

Dental School Renovation

Birmingham Alabama

University of Kentucky (2004)

Biocontainment Laboratory Grant Proposal

1 of 6 national NIH awardees

Lexington, KY



UM Dearborn

University of Louisville (2006)

Speed School of Engineering

Louisville, KY

University of Louisville School of Medicine (2005)

Inhalation Laboratory

Louisville, KY



University of Michigan

University of Michigan Dearborn (2006)

Engineering Research Building

Premier university engineering facility focused on automotive research

Dearborn, MI

University of Michigan (2008)

Phoenix Memorial Research Building for Fuel Cell Technology

Internationally acclaimed fuel cell research program

Ann Arbor, Michigan



Valdosta State University

Valdosta State University (2005)

Biology and Chemistry Building

Early adapter of PKAL focused undergraduate pedagogies

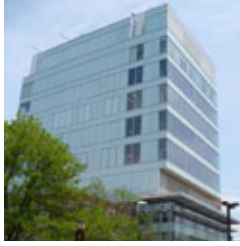
Valdosta, GA

2.1 SIGNIFICANT WORK: PROJECTS

PRIVATE PRACTICE

“Howard and his team helped us develop a successful application for funding from the NIH, and subsequently designed one of the foremost imaging centers in the world, integrating a number of complex technologies and laboratories and creating a unique environment in which scientists and clinicians from across the globe collaborate on cutting-edge biomedical research.”

-Dr. John Gore, Director, Vanderbilt University Institute of Imaging Science



VUIIS

Vanderbilt University (2005)

Institute of Imaging Science (VUIIS)
World renowned imaging research facility
Nashville, TN

Vanderbilt University (2005)

Centralized Animal Facility
Nashville, TN



Vanderbilt University
Anatomy Laboratory

Vanderbilt University School of Medicine (2006)

Anatomy Laboratory
State-of-the-art facility with premier gross anatomy teaching theatre
Nashville, TN

Wesleyan College (2007)

Munroe Science Center
PKAL focused integrated science teaching and research facility
Macon, GA



Wesleyan College

2.1 SIGNIFICANT WORK: PROJECTS

As the Director of Capital Planning and Space Management at Georgia Tech, Howard leads the architect selection process and directs the design review process for all planning and design projects, collaborating with well-established design firms as well as younger, up and coming firms. Howard facilitates all internal and external design reviews, including those with Georgia Tech's prestigious Planning & Design Commission, to ensure all projects successfully integrate architecture, engineering, landscape, technology and sustainability into thoughtful and successful solutions that are worthy of national recognition, regardless of project size, type or budget.

Under Howard Wertheimer's leadership, guidance and influence, Georgia Tech has received several very prestigious national recognitions, including entry into the Association of American Universities (AAU), Arbor Day Foundation Tree Campus USA, Princeton Review's Green Honor Roll, Princeton Review's Best Athletic Facilities, Society for College and University Planning (SCUP) Landscape Master Plan award, the Chronicle of Higher Education's "Great Colleges To Work For" Honor Roll and the Southern Association of Colleges & Schools (SACS) accreditation. All of these accomplishments include campus design and facilities as key components of their evaluation criteria.



Academy of
Medicine

Academy of Medicine (2011)

Original Architect: Philip Schutze
Renovation Architect: Dunwoody Beeland
Project cost: \$6.4M



Alexander Memorial
Coliseum/McCamish
Pavilion

Alexander Memorial Coliseum Replacement Facility/McCamish Pavilion (2011)

Original Architect: Aeck & Associates
Replacement Facility Architect: Populous with Menefee + Winer
Project cost: \$45M

Applied Physiology Research Facility (2010)

Architect: Cooper Carry
Project cost: \$2.5M

Barnes and Noble Campus Bookstore – Technology Store (2011)

Architect: Wakefield Beasley with 8inc.
Project cost: \$.6M



Barnes and Noble

Bill Moore Tennis Complex (2012)

Architect: Woolpert with Browning Day Mullins Dierdorf
Project cost: \$11.8M

Brock Indoor Football Practice Facility (2011)

Architect: Knight Architects
Project cost: \$9.2M

2.1 SIGNIFICANT WORK: PROJECTS

GEORGIA
TECH



Carbon Neutral Energy
Solutions Laboratory

Carbon Neutral Energy Solutions Laboratory (2012)

Architect: CUH2A/HDR

Project cost: \$25.5M

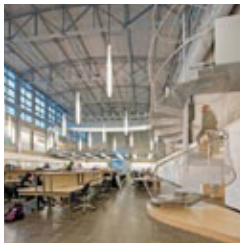


Clough Commons

Clough Undergraduate Learning Commons (2011)

Architect: Bohlin, Cywinski Jackson

Project cost: \$93M



Hinman Building

Digital Media Research Center (2009)

Architect: Thompson, Ventulett & Stainback

Project cost: \$1.2M

Ferst Center for the Performing Arts Renovation (2012)

Architect: BLDGS

Project cost: \$5.3M

Fitten, Freeman, & Montag Residence Hall Renovations (2010)

Architect: Collins Cooper Carusi

Project cost: \$20.1M

Glenn and Towers Residence Halls (2013)

Architect: Niles Bolton & Associates

Project cost: \$35M



Innovative Learning
Resource Center

Graphics Visualization and Usability (GVU) Center (2009)

Architect: Veenendaal Cave

Project cost: \$1M

Hinman Building Renovation (2010)

Original Architect: PF Heffernan

Renovation Architect: Lord, Aeck & Sargent with Office d/A

Project cost: \$10.1M

Innovative Learning Resource Center (ILRC) (2007)

Architect: Perry Dean Rogers with Houser Walker

Project cost: \$63.3M



Leadership Challenge
Course

Institute for Electronics and Nanotechnology (2012)

Architect: Smith Carter

Project cost: \$15M

Leadership Challenge Course and Pavilion (2008)

Architect: Houser Walker

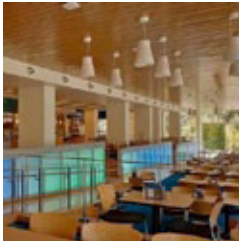
Project cost: \$1.2M

2.1 SIGNIFICANT WORK: PROJECTS

GEORGIA
TECH



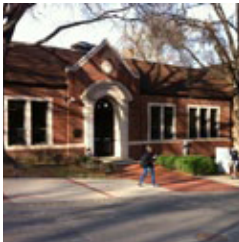
Marcus Nanotechnology
Research Building



North Avenue Dining



Old Civil Engineering



Stephen C. Hall



Van Leer

Marcus Nanotechnology Research Building (2007)

Architect: Bohlin Cywinski Jackson

Project cost: \$98M

Materials Science & Engineering Building (2007)

Architect: CUH2A/HDR

Project cost: \$60M

North Avenue Apartments Dining Hall (2011)

Design Architect: Handbury, Evans, Wright & Vlattas

Architect of Record: Menefee + Winer

Project cost: \$13M

North Avenue Apartments Renovations (2009)

Architect: HADP

Project cost: \$24M

Old Civil Engineering Building Renovation (2007)

Original Architect: School of Architecture faculty, ca 1938

Renovation Architect: Surber Barber Choate Hertlein

Project cost: \$8.1M

Robotics & Intelligent Machines (RIM) Center (2008)

Architect: Praxis/LP3

Project cost: \$1.2M

Stephen C. Hall Building Renovation (2012)

Architect: Smith Dalia

Project cost: \$3.1M

Van Leer Building Addition (2007)

Architect: Houser Walker

Project cost: \$45M (in fundraising)

Zelnak Basketball Practice Facility (2008)

Architect: HEERY International

Project cost: \$6M

“Howard was a fantastic client, constantly pushing us for design excellence.”

Stephen Wright, AIA – Principal, Perkins Eastman
(work completed while Principal and Design partner at
Handbury Evans Wright Vlattas)

2.1 SIGNIFICANT WORK: PROJECTS

LANDSCAPE

As part of the human and ecological landscape, Howard Wertheimer garners support to identify funding, then creates opportunities for knitting together the space between buildings, always stressing the importance of the ground plane, stormwater management, ecology and the campus ecosystem.



Atlantic Promenade

Atlantic Promenade

Landscape Architect: Robinson Fisher & Associates

Project cost: \$1M

Couch Park (2011)

Landscape Architect: Jordon Jones & Goulding

Project cost: \$.9M



Old CE Courtyard

Fowler Street Streetscape (2012)

Landscape Architect: POND & Company

Project cost: \$1.8M

North Avenue Apartments Courtyard (2011)

Landscape Architect: Greenberg Farrow

Project cost: \$1M



Tech Green

North Avenue Dining (2011)

Landscape Architect: Office of James Burnett

Project cost: \$1.4M

North Avenue Streetscape (phased implementation underway) (2011)

Landscape Architect: POND and Company

Project cost: \$8M

Old Civil Engineering Courtyard (2008)

Landscape Architect: Tunnel Spangler Walsh

Project cost: \$.34M



Tech Walkway

Price Gilbert Grove (2012)

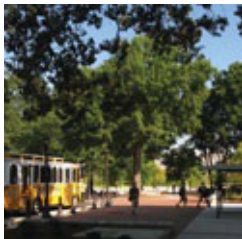
Landscape Architect: Richard Burke & Associates

Project cost: \$.75M

Tech Green (2011)

Landscape Architect: Richard Burke & Associates with Facility Design Group

Project Cost: \$2M



Transit Hub

Tech Green West (2011)

Landscape Architect: EDAW/AECOM

Project cost: \$.6M

Tech Walkway (main east/west pedestrian spine) (2009)

Landscape Architect: EDAW/AECOM

Project Cost: \$.5M

Transit Hub (2011)

Landscape Architect: Leung Gregory

Project cost: \$1.2M

2.1 SIGNIFICANT WORK: LEADERSHIP, INFLUENCE & IMPACT



Howard Wertheimer, (right) receives Green Honor Roll plaque from Princeton Review publisher Robert Franek

Prior to Howard's arrival in 2006 as the Director of Capital Planning & Space Management, Georgia Tech had one LEED certified building on campus. He was the first LEED AP architect employed by Georgia Tech in a senior leadership position. Because of Howard's unparalleled leadership, vision and expertise, he quickly established Georgia Tech into a nationally recognized leader in the development of a sustainable urban campus. This effort has been continuously recognized nationally by organizations such as Princeton Review's Green Honor Roll, Sierra Club, National Wildlife Federation, AASHE, USGBC, and the Arbor Day Foundation.

Howard recommended and persuaded university leadership to become a Founding Circle member of the Billion Dollar Green Challenge, a nationwide effort to create a green revolving fund focused on investing in energy efficient projects to reduce carbon emissions on university campuses, and then reinvest the money saved in future projects. Georgia Tech was one of only 32 universities in the country to garner such recognition. Howard represented Georgia Tech in accepting this national recognition at the Association for the Advancement of Sustainability in Higher Education (AASHE) Annual Conference in Pittsburgh, PA in October 2011.

In 2007, Howard was instrumental in having then President G. Wayne Clough sign the American College and University President's Climate Commitment (ACUPCC). Since that time, Howard has elevated Georgia Tech's national reputation as a leader in sustainable campus development and environmental stewardship, and helped establish the Office of Environmental Stewardship at Georgia Tech. All capital projects at Georgia Tech are to be designed to LEED Gold criteria, as a minimum. A partial listing of current environmentally responsive projects underway include:

- Historic Academy of Medicine (\$6.4M, targeting LEED Silver)
- Alexander Memorial Coliseum Replacement Facility (\$45M, targeting LEED Gold)
- Basketball Practice Facility (\$6.4M; achieved LEED Gold)
- Bill Moore Tennis Complex (\$10M; targeting LEED Gold)
- Carbon Neutral Energy Solutions Laboratory (42,000 gsf; \$25M; targeting zero energy and LEED Platinum)
- Clough Undergraduate Learning Commons (220,000 gsf; \$93M; targeting LEED Platinum – will be the largest LEED Platinum building on a university campus in the US)
- Fitten, Freeman, & Montag Dorm Renovations (\$19M; targeting LEED Gold)
- Football Practice Facility (\$9.2M, targeting LEED Gold)
- Glenn & Towers Dorm Renovations (\$35M, targeting LEED Gold)
- North Avenue Dining (\$13M, targeting LEED Gold)

"Just a quick note to congratulate you on all of your efforts in the sustainability arena and on placing Georgia Tech in a position to be recognized in the Princeton Review's third annual Green Ratings of colleges as among the most environmentally friendly American universities. This is a great tribute to you and your team and all you are doing in this regard."

-G.P. "Bud" Peterson, President, Georgia Institute of Technology

2.1 SIGNIFICANT WORK: LEADERSHIP, INFLUENCE & IMPACT

“To make significant progress in changing the paradigm of technically complex university facilities and to push the limits to minimize their impact on the environment one has to take risks. Few architects truly understand the importance of fully integrated, interdisciplinary design, especially when it comes to planning, designing, and constructing new models for these technically sophisticated college and university facilities. Fewer still are willing to take the risk. Howard is one of those few.”

-Jon Crane, FAIA, Global Director of Science and Technology Facility Planning, HDR Architects

To further advance the profession of architecture, Howard conducts pre-proposal meetings for all integrated A/E teams interested in pursuing capital projects at Georgia Tech. Howard then leads the short-listing process, which includes a mandatory pre-interview meeting with all short-listed teams, where he clarifies project goals and campus expectations. This process positions the teams with the necessary tools and information to be successful during the interview and selection process. Following the selection, Howard offers his time to provide debriefings to help teams understand how to be more successful in the future.

Howard conceived and directed Georgia Tech’s first compensated design-build competition in an effort to expedite the project delivery and control the project budget without sacrificing design quality, for the \$45M Alexander Memorial Coliseum/McCamish Pavilion.

To ensure integrated design rigor and innovation, Howard leads the facilitation of the entire planning, programming and design process with Georgia Tech’s Planning & Design Commission (PDC). The PDC is a group of external subject matter design experts – architects, landscape architects and planners – who come to campus on a quarterly basis to lend their interdisciplinary design expertise in providing objective and constructive design critiques.



Howard Wertheimer (pictured in blue) facilitating a design review discussion with the design-build team and Georgia Tech’s Planning & Design Commission.

Pictured seated clockwise: Susan Maxman, FAIA – Susan Maxman & Partners, Philadelphia PA; David Miller, FAIA – Miller Hull Partnership, Seattle WA; Steve Swant, EVP Administration & Finance, Georgia Tech; Carol Johnson, FASLA – Carol Johnson Associates, Boston MA; Linda Jewell, AIA, FASLA – UC Berkeley, CA.

Pictured standing left to right: Allen Robertson, PE – GT Facilities Inc. Board Member; Gary Petherick – Georgia Tech Project Manager; Alyn Pruett, AIA – Wallace Roberts & Todd, Coral Gables FL; Howard Wertheimer, AIA; Rob Fisher, ASLA ; Robinson Fisher & Associates – Athens, GA; and members of the HDR/Gilbane design-build team.

2.1 SIGNIFICANT WORK: LEADERSHIP, INFLUENCE & IMPACT

The scope of Howard Wertheimer's responsibility in reshaping and advancing the significant transformation of the Campus Master Plan cannot be overstated. Howard conceived, advanced, and implemented a comprehensive planning process that raised the bar on all aspects of the Campus Master Plan.

With the 2004 Campus Master plan update as the baseline, Howard Wertheimer established goals, formulated programs and selected consultants, leading the comprehensive planning process that includes utility infrastructure, buildings, landscape, parking, transportation, pedestrian and bicycle infrastructure, campus safety and sustainability to manage growth with effective stewardship of financial and space resources.

To improve the human and ecological landscapes along the ground plane, Howard provides the thought leadership, direction and management to establish the framework in guiding internal and external consulting teams throughout the planning process to ensure that every aspect of the campus fabric is carefully analyzed and integrated into the final planning solution, establishing an easy to follow implementation framework strategy.



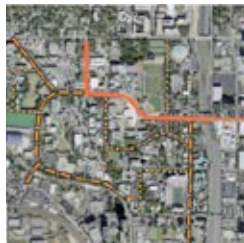
Athletic Precinct

Atlantic Drive Streetscape Improvement (2009)

Converted street to pedestrian-only pathway
Consultant: Robinson Fisher & Associates

Athletic Facilities Precinct Plan (2007-2012)

Established integrated master plan for multiple athletic facilities
Consultant: Capital Planning & Space Management



Bicycle Master Plan

Bicycle Infrastructure Master Plan (2009)

Added 3.4 miles of bike lanes and sharrows, and over 200 new bicycle racks
Consultant: Vanasse Hangen Brustlin

Campus Historic Preservation Plan (2010)

Established the framework for historic buildings and landscapes
Consultant: Lord, Aeck & Sargent



Cistern Master Plan

Cistern Master Plan (2010)

Established an integrated network to eliminate the use of potable water for irrigation purposes
Consultant: Capital Planning & Space Management and GIS Department

Couch Park Preservation Plan (2008)

Refurbished city owned park for campus and community use
Consultant: JG/Jacobs

"Howard has been a tremendous asset in advancing the sustainable planning and design of our athletic facilities. These public areas are critical to the esprit de corp of campus life, and their impact touches every student athlete and visitor who comes to our campus. I have worked on five other college campuses, and Howard is at the forefront of his profession when it comes to understanding the complex issues related to the integrated planning of intercollegiate athletic facilities."

- Dan Radakovich, Director of Athletics, Georgia Tech

2.1 SIGNIFICANT WORK: LEADERSHIP, INFLUENCE & IMPACT

CAMPUS PLANNING & DESIGN

“Georgia Tech has a full-time alternative-transportation manager and is constructing a million-gallon cistern to reduce its stormwater runoff by 60 percent.” - Sierra Magazine - 2010



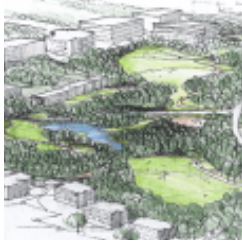
EcoCommons

EcoCommons Master Plan and Phase I Development (2008)

Implemented engineered storm water management system
Consultant: Robinson Fisher & Associates

Fowler Street Streetscape Master Plan (2010)

Developed streetscape improvement plan for one of the primary campus streets
Consultant: Pond & Company



Landscape Master Plan

GIS Campus Base Map (2010)

Initiated campus-wide GIS implementation strategy
Consultant: Capital Planning & Space Management and GIS Department

Greek Sector Plan (2011)

Developed Greek Sector Plan that identifies opportunities for future Greek housing and green space
Consultant: Hug & Associates



Leadership Challenge

Housing Master Plan (2008)

Developed comprehensive 10-year housing master plan
Consultant: Brailsford & Dunlavey

Landscape Master Plan (2006, 2010)

Developed and updated award-winning, nationally recognized landscape master plan
Consultant: Robinson Fisher & Associates



Multimodal Transit Hub

Leadership Challenge Course Complex (2008)

Developed challenge course and outdoor instructional pavilion
Consultant: Houser Walker with JJG/Jacobs

Master Planning and Sector Planning Development (2006-2009)

Developed multiple campus sector plans and precinct plans
Consultant: Wallace Roberts & Todd

Multimodal Transit Hub (2007)

Identified and developed central campus transit hub
Consultant: Richard Burke & Associates



North Ave Corridor Plan

North Avenue Apartments Master Plan (2008)

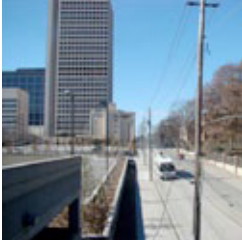
Developed comprehensive master plan for 8-acre, 2000-bed, former Olympic Village housing complex
Consultant: Perry Dean Rogers

2.1 SIGNIFICANT WORK: LEADERSHIP, INFLUENCE & IMPACT

CAMPUS PLANNING & DESIGN

“Every time I come back to campus I’m amazed at the significant transformation that Howard helped lead. The campus has never looked so good! Georgia Tech is in great hands.”

— Dr. G. Wayne Clough, Secretary, Smithsonian Institute
and former President, Georgia Institute of Technology



North Avenue: existing



North Avenue: vision



Solar PV Master Plan



Tech Parkway
Abandonment



Tech Tower Lawn

North Avenue Corridor Plan (2008)

Developed corridor master plan after the acquisition of North Avenue Apartments, partnering with local community members

Consultant: Urban Collage/Kimley Horne

Parking & Transportation Master Plan (2009)

Developed comprehensive master plan that addressed all parking related issues and all modalities of transportation

Consultant: Vanasse Hangen Brustlin

Solar / PV Master Plan (2009)

Developed master plan that identifies opportunities to add future PV's to buildings

Consultant: Capital Planning & Space Management and GIS Department

Space Audit and Utilization Study (2009)

Initiated comprehensive space utilization study to maximize space resources

Consultant: Capital Planning & Space Management

Tech Green and Central Campus Projects Master Plan (2008)

Developed comprehensive study and implementation of 6 different projects

Consultant: Richard Burke & Associates

Tech Parkway Abandonment Study (2007)

Developed study to redefine a new campus edge, reducing roadways and adding additional acreage to the campus

Consultant: Urban Collage and Kimley Horn

Tech Tower Lawn Historic Preservation Plan (2007)

Developed plan focused on the restoration of Georgia Tech's most historic landscape

Consultant: Jaeger & Associates

“Howard has been a tremendous advocate for integrated stormwater/landscape solutions at Georgia Tech. He is one of the few architects that truly understands the importance of the ecological landscape and its impact on campus planning.”

Rob Fisher, Landscape Architect, Robinson Fisher & Associates

2.1 SIGNIFICANT WORK: LEADERSHIP, INFLUENCE & IMPACT

CAMPUS PLANNING & DESIGN

Howard Wertheimer is a national subject-matter expert on the planning and design of teaching, learning and research spaces for undergraduate Science, Technology, Engineering and Mathematics (STEM) facilities. Howard was the first architect in the country and the only non-casework manufacturer, to become a voting member to serve on the Board of Directors for the international Scientific Equipment and Furniture Association (SEFA).

Supported by the National Science Foundation and the W. M. Keck Foundation, **Project Kaleidoscope** (PKAL) has been America's leading voice in significantly improving student learning and achievement in STEM education, planning and design. Since the mid-1990's, Howard Wertheimer has been an active workshop leader, presenter, author and facilitator in PKAL events across the country where he has advanced the thinking of thousands of people who are in leadership positions to transform facilities for undergraduate STEM education. From architects and educators, to students and college presidents, Howard has helped reshape on a national scale the pedagogy and planning of how spaces are designed for teaching and learning for undergraduate STEM facilities.

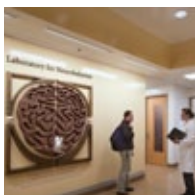
Below is a partial listing of Architects who have designed STEM facilities at colleges and universities across the country after attending and participating in PKAL workshops where Howard Wertheimer was a workshop leader and facilitator. While direct influence is difficult to define, implied benefits can be derived based on the national prestige, professionalism and collegiality by which these workshops have been conducted and the subsequent recognition these firms have achieved for their work in this arena.

Anshen + Allen	EYP	Michael Keeshan & Associates
Ballinger	Glave & Holmes	Payette
Brown Jurkowski	Hasenstab	Perkins + Will
Burt Hill	HOK	Research Facilities Design
CO Architects	HERA	Shepley Bulfinch Richardson & Abbott
Cooper Carry	HDR	SLAM Collaborative
CUH2A	Holabird & Root	SRG Partnership
Dober, Lidsky, Craig	Loebl Schlossman & Hackl	SST Planners
Dunwoody Beeland	Lord, Aeck & Sargent	VMDO Architects PC
Ellenzweig	MacLachlan Cornelius & Filoni, Inc.	William Wilson Associated Architects

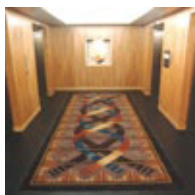
"I have worked with Howard on several projects and Facilities Planning Workshops since the mid 1990's. He has been a national leader in establishing and promoting trends in STEM teaching & learning."

Rick Heinz, FAIA, Research Facilities Design

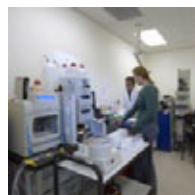
Science on Display: Ideas presented and promoted at workshops facilitated by Howard Wertheimer



Science as art



Custom carpet
with DNA strand



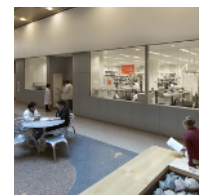
Shared equipment



Natural light in
faculty laboratory



Informal
interaction space



Transparency of
spaces



Science integrated
in the architecture

2.1 SIGNIFICANT WORK: LEADERSHIP, INFLUENCE & IMPACT

CAMPUS PLANNING & DESIGN

Project Kaleidoscope (PKAL) is now part of the Association of American Colleges and Universities AACU. As a national leader on the planning and design of STEM teaching and learning spaces, Howard Wertheimer has positively influenced hundreds of colleges and universities from across the country who are applying his lessons learned to the design of STEM facilities on their campuses. Below is a partial listing of campuses that Howard has had direct interaction with at workshops he has facilitated:

- Agnes Scott College – Decatur, GA
- Albright College – Reading, PA
- Baldwin Wallace College - Ohio
- Berea College - Berea, KY
- Bowling Green State University – Bowling Green, OH
- Charleston Southern University – Charleston, SC
- Central Michigan University - Mt. Pleasant, MI
- Christopher Newport University – Newport News, VA
- Clemson University – Clemson, SC
- Davidson College – Davidson, NC
- East Carolina University – Greenville, NC
- Georgia Institute of Technology – Atlanta, GA
- Georgia State University – Atlanta, GA
- St. Clair Community College – Port Huron, MI
- Kennesaw State University – Kennesaw, GA
- Loyola Marymount University – Los Angeles, CA
- Marygrove College, Detroit, MI
- Maryville College – Maryville, TN
- Meredith College - Raleigh, NC
- Middle Tennessee State University – Murfreesboro, TN
- Morehouse College – Atlanta, GA
- Niagara University – Niagara, NY
- Penn State Erie, The Behrend College – Erie, PA
- Presbyterian College - Clinton, SC
- Sewanee: The University of the South – Sewanee, TN
- Southern Polytechnic State University – Marietta, GA
- St. Bonaventure – Olean, NY
- Transylvania University – Lexington, KY
- Troy State University – Dothan, AL
- Valdosta State University – Valdosta, GA
- Wesleyan College – Macon, GA
- University of Akron – Akron, OH
- University of Tennessee, Chattanooga – Chattanooga, TN

Promote the development and wider use of evidence-based teaching, learning and assessment approaches that engage students in the active pursuit of learning through authentic experiences;

Advance the critical role of STEM in general education, liberal education, civic education and global education;

Advocate the importance of integrated, interdisciplinary and state-of-the-art undergraduate STEM education;

Build individual and organizational capacity to lead change in STEM education;

Engage the broader community of external stakeholders.



“Howard has helped shape PKAL’s national influence in making significant contributions to advancing ‘what works’ in STEM education. I have worked with hundreds of extraordinary architects from across the country, and few do this better than Howard.”

-Jeanne Narum, Founding Executive Director, Project Kaleidoscope

Howard’s leadership and commitment to STEM education over the last 15 years embodies the primary goals of PKAL, shown above

2.1 SIGNIFICANT WORK: LEADERSHIP, INFLUENCE & IMPACT

As a **collaborator** and **sharer of knowledge** in the pursuit of integrated design excellence, Howard has been sought after as a subject matter expert and consultant on Science, Technology Engineering and Mathematics (STEM) facility planning and design. In addition to conference presentations, workshops and symposiums, he has directly worked on projects with the following firms.

Ashley McGraw – Syracuse, NY
SUNY at Geneva Experiment Station: Food Research Lab (2006)

Brown Jurkowski Architectural Collaborative – Raleigh, NC
East Carolina University: Flanagan Science Building (2000)

Dober, Lidsky, Craig – Boston, MA
Wesleyan College: Monroe Science Building (2004)

Dunwody Beeland Architects – Macon, GA
Wesleyan College: Munroe Science Building (2005)

French Associates – Rochester, MI
St. Clair Community College: Science Building Renovations (2004)

Glave & Holmes Associates – Richmond, VA
Christopher Newport University: McMurrin Hall Academic and Science Building (2005)

Hasenstab Architects – Akron, OH
University of Akron: Auburn Science and Engineering Building Renovations (2003)

James W. Potts Architects – Lexington, KY
University of Kentucky: NIH Grant and Laboratory Renovations (2003)

Liollo Architects – Charleston, SC
Medical University of South Carolina: Laboratory Renovations (2005)

Michael Keeshan & Associates – Greenville, SC
Clemson University: Packaging Science & Graphics Building (2002)
Clemson University: Biomedical Engineering Building (2004)

Research Facilities Design – San Diego, CA
St. Bonaventure University: Science Building (1999)
Valdosta State University: Biology and Chemistry Building (1996)

Richard + Wittschiede – Atlanta, GA
Georgia Institute of Technology: Food Processing Technology Building (2001)

Ross/Tarrant Architects – Lexington, KY
Transylvania University: Brown Science Building Renovations (2004)

2KM – Augusta, GA
Medical College of Georgia: Interdisciplinary Research Building (2000)

“Howard has been a great teacher, collaborator, team builder and mentor in advancing the planning and design of science teaching and research facilities across the country.”

- Larry Lord, FAIA Lord, Aeck & Sargent Architects

“Howard’s understanding of STEM facilities, design leadership, and communication and collaboration skills created an incredible level of trust among all stakeholders. He is one of the best collaborating architects that I have worked with.”

- Eugene Cox Dunwody, FAIA, Dunwody Beeland Architects

2.1 JURY SERVICE

As a recognized thought leader, Howard Wertheimer has served on a number of local, regional, national, and international design juries.



AIA Georgia Nominating Committee – 2011

Committee member responsible for reviewing and selecting architects for annual awards recognitions.

AIA Georgia 2011 Georgia Architecture Firm Award

AIA Georgia 2011 Emerging Professional Award

AIA Georgia 2011 Bronze Medal

AIA Georgia 2011 Certificate of Honorable Recognition

AIA Georgia 2011 Certificate of Service



AIA Miami Chapter Design Awards Juror – 1998

Committee member responsible for reviewing and selecting architects for annual awards recognitions.



SCUP Awards Committee, Southern Region Representative (3 year term: 2011-2014)

Southern Region representative, and one of eight national committee members (including an AIA representative from the AIA Committee on Architecture for Education) responsible for “overseeing and managing a prestigious awards program that recognizes high-quality planning, design and service efforts, and disseminates lessons learned from these contributions regarding best practices and emerging trends for the advancement of integrated planning in higher education.”

Excellence in Planning Awards

Excellence in Landscape Architecture Awards

SCUP/AIA-CAE Excellence in Architecture Awards



CMAA Jury Members at Georgia Aquarium-
Howard Wertheimer second from right

Construction Management Association of America, South Atlantic Chapter Awards Juror – June 2011

Committee member responsible for reviewing and selecting construction managers (and architects) for annual awards recognitions. Categories include: Infrastructure; New Construction valued less than \$10M; New Construction valued between \$10M-\$30M; New Construction valued between \$30M-\$50M; Renovation/Modernization greater than \$20M; and Program Management services.

R&D Magazine “Lab of the Year” Awards Juror – 2001, 2002, 2003

Scientific Equipment and Furniture Association (SEFA) representative responsible for reviewing national and international entries for the highly competitive Laboratory of the Year design awards recognition program. Categories include new and renovated facilities.



Georgia Tech College of Architecture design studios, guest critic – 1985 - present

Auburn University School of Architecture, Design-Build Studio critic – 2010

2.1 CONFERENCE PRESENTATIONS & SPEAKING ENGAGEMENTS

Because of his extensive college and university planning and design expertise where he has been creating new models for integrating architecture, engineering, landscape, technology and sustainability into each and every project, Howard is sought after as a national voice on creating meaningful, forward-thinking, college and university architecture.

The following is a list highlighting Howard Wertheimer's local, regional, national and international speaking engagements where he has presented trends, case studies and thought papers focused primarily on college and university sustainable campus planning and design excellence.



American Institute of Architects (AIA)

- 2011 AIA Principal's Roundtable, "Georgia Tech's Master Plan and Innovative Sustainable Design Initiatives," November, Atlanta, GA
- 2007 AIA Young Architects Forum, "Design/Build: Shotgun Marriage by Design," September, Atlanta, GA
- 2005 AIA/SCUP, "Science Facilities that Work: Shaping Spaces: Research Rich, Interdisciplinary Spaces for Undergraduate Science that Serve all Students," September, National AIA Webcast in association with PKAL
- 1995 AIA National Convention, Tour Guide, May, Atlanta, GA



Society for College and University Planning (SCUP)

- 2011 SCUP Southern Regional Conference, "Georgia Tech's Courageous Leadership on Capital Project Development and IPD for a Carbon-Neutral Energy Solutions Laboratory," October, San Antonio, TX
- 2011 SCUP International Conference, Convener for "Planning a 2020 Campus with 20/20 Vision," July, Washington, DC
- 2010 SCUP Southern Region Conference, "Building Quality into the New Reality," October, Charleston, SC
- 2010 SCUP International Conference, Convener for "Repurposing Morrill Hall at Iowa State, Sustainable in 1890," July, Minneapolis, MN
- 2009 SCUP International Conference, Convener for "Creating Sustainable Innovation Capacities," July, Portland, OR
- 2009 SCUP Southern Regional Conference, "Georgia Tech's Award Winning Landscape Master Plan and New Cistern/Irrigation Master Plan," October, Memphis, TN
- 2008 SCUP Southern Regional Conference, "Regeneration: Planning Beyond Sustainability – Campus Crossroads: Georgia Tech's Innovative Learning Resource Center," October, New Orleans, LA
- 2008 SCUP International Conference – Convener for "The Politics of Changing the Class Scheduling Process," July, Montreal, Canada
- 2008 SCUP Mid-Atlantic Region, "Stitching the Campus Quilt-Campus Crossroads," March, Pittsburgh, PA
- 2007 SCUP International Conference, Convener "Realizing Green Campus Initiatives through Facility Programming," July, Chicago, IL
- 2003 SCUP Southern Regional Conference, "Who Says You Can't Build Quality Fast?," October, Charlotte, NC

2.1 CONFERENCE PRESENTATIONS & SPEAKING ENGAGEMENTS



Project Kaleidoscope (PKAL)

- 2011 PKAL Workshop, “Burdell: Creating a Vision for Undergraduate Engineering Education at Georgia Institute of Technology,” March, Atlanta, GA
 - 2007 “Planning Facilities for Undergraduate Science Facilities,” University of Tennessee Chattanooga, Chattanooga, TN
 - 2006 PKAL Facilities Workshop, “Planning for Undergraduate Science and Mathematics,” Meredith College; Raleigh, NC
 - 2005 PKAL – “National Colloquium on Undergraduate Science Facilities: Translating How People Learn,” Stowers Institute; Kansas City, MO
 - 2004 PKAL Leadership Initiative, “Building Intellectual and Physical Learning Communities for Undergraduate Natural Science Communities,” November, Atlanta, GA
 - 2004 PKAL, “Science Facilities Workshop,” July, University of Chicago, Chicago, IL
 - 2004 PKAL Phase IV Leadership Initiative – “Presenters & Facilitators in PKAL Seminars, National Colloquia, and Leadership Institutes,”
 - 2003 PKAL, “Science Facilities Workshop,” 2003, Drury University, Springfield MO
 - 2003 PKAL, “Leadership Institute,” Agnes Scott College, Atlanta, GA
 - 2003 PKAL/Keck Consultancy, “Planning Facilities for Undergraduate Science,” Pennsylvania State University Erie, Erie, PA
 - 2003 PKAL, “A PKAL Roundtable: Facilities of the Future” (co-author), March, Cranbrook Institute, MI
 - 2002 PKAL Summer Institute, “Science Facilities Workshop,” June, Williamsburg, VA
 - 2001 PKAL Summer Institute, “Start Putting the Pieces Together,” Snowbird, UT
 - 1999 PKAL, “10 Year National Anniversary Celebration and Workshop,” Summer, Washington, DC
- Regular contributor to PKAL’s “Geographic Listing” website highlighting relevant Undergraduate Science Facilities throughout the U.S.

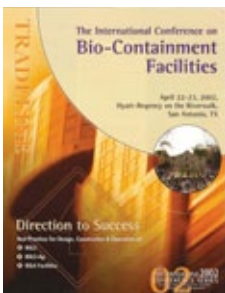


Association for the Advancement of Sustainability in Higher Education (AASHE)

- 2011 AASHE, “Smart Growth Strategy: Immersive Sustainability Master Plan,” October, Pittsburgh, PA
- 2011 AASHE, “EcoCommons Establishes Ecological Performance Benefits,” October, Pittsburgh, PA



Tradeline



- 2006 Tradeline, “Emerging Science”, March, St. Petersburg, FL
- 2003 Tradeline, Academic Research Facilities “Optimizing Plans for Multidiscipline, Multifunctional Laboratory Buildings,” November, Hilton Head, SC
- 2003 Tradeline, “International Conference on Biocontainment Facilities,” May, Hilton Head, SC
- 2002 Tradeline, “International Conference on Biocontainment Facilities - Planning for Functional Spaces, Key Pieces of Equipment and Support Utilities,” April, San Antonio, TX
- 1998 Tradeline, “Best Practices for Modernizing Outdated Science Facilities,” 1998, Hilton Head, SC
- 1997 Tradeline, “New Facilities Strategies for Colleges, Universities and Medical Schools,” 1997, Hilton Head, SC
- 1996 Tradeline - “Cost Savings Strategies for Renovation Projects,” 1996, Hilton Head, SC

2.1 CONFERENCE PRESENTATIONS & SPEAKING ENGAGEMENTS

National and International Organizations



- 2011 France Atlanta 2011 Together Towards Innovation, “Green City of the Future: How Can My City be Greener: Challenges and Opportunities of Sustainable Development in an Urban Environment,” October, Atlanta, GA (invited speaker)
- 2011 German American Chamber of Commerce of the Southern US, “Innovation in Renewables and Energy Efficiency,” October, Atlanta, GA (invited speaker)
- 2011 National Wildlife Federation “Water Conservation and Reuse Strategies for Colleges and Universities,” September, Statesboro, GA (invited speaker)
- 2011 SMPS Panel Discussion, “Top of the Class: The Higher Education Market in Georgia,” June, Atlanta, GA (invited speaker)
- 2010 Appalachian Colleges Association, “Supporting Success in Engaged and Active Learning,” June, Berea College, Berea, KY (invited speaker and workshop facilitator)
- 2010 Greenprints Conference, “Greening the Campus: Meeting the ACUPCC Challenge,” March, Atlanta, GA (invited speaker)
- 2010 NACUBO Smart and Sustainable Campuses Conference, “Sustainable Campus Strategies,” March, College Park, MD (presenter)
- 2003 LABCONCO, “Designing Spaces for Tomorrow’s Science,” Kansas City, MO (invited speaker)
- 2002 SEFA, “College and University Laboratory Facilities Symposium,” November, Ft. Lauderdale, FL (Symposium facilitator and keynote speaker)

State and Regional Organizations



- 2011 Perkins + Will Atlanta, Sustainable Science Facility Symposium, “Pathway to Net Zero Campus,” November, Atlanta, GA
- 2011 Metro Atlanta Chamber of Commerce and McKinsey, “Metro Atlanta’s Sustainable Economy Growth Initiative / Sustainability at Georgia Tech: A City within a City,” May, Atlanta, GA
- 2010 Board of Regents Facilities Officers Conference, “Historic Preservation Master Plan and Mid-20th Century Building Renovation Strategies,” October, Savannah, GA
- 2010 Georgia Solar Energy Association, Summer Solstice Panel Discussion “Getting to Net-Zero,” June, Atlanta, GA
- 2007 Sustainable Atlanta Roundtable, “Greening Higher Education,” November, Atlanta, GA
- 2006 Vanderbilt University School of Medicine Retreat, “The Architectural DNA of the Vanderbilt University Institute for Imaging Science,” June, Louisville, KY
- 2003 Lord, Aeck & Sargent Symposium, “A Practical Approach to Laboratory Design,” October, Atlanta, GA
- 2003 20th Annual GAPPA Conference, “Cost Savings Strategies for Renovation Projects,” May, Jekyll, GA
- 1998 College and University Facilities Symposium, “Cost Savings Strategies for Renovation Projects,” Atlanta, GA (Four Seasons Hotel)
- 1995 Lord, Aeck & Sargent Symposium, “College and University Facilities Symposium,” Atlanta GA

2.1 CONFERENCE PRESENTATIONS & SPEAKING ENGAGEMENTS

Georgia Tech, Alumni and Affinity Groups



- 2011 Georgia Tech, GT1000 Class, Guest Lecturer "Campus Master Plan and Sustainability at Georgia Tech," 2007- present
- 2011 Georgia Tech – ongoing presentations to most colleges, departments, student organizations, development office, Town Hall meetings, etc., "Campus Master Plan and Sustainability at Georgia Tech," 2007- present
- 2011 Georgia Tech Family Weekend, "Georgia Tech's Ever Changing Campus," September, Atlanta, GA
- 2011 Southern Company, "Georgia Tech: Green Plans and Campus Sustainability," January, Atlanta, GA
- 2011 Georgia Tech Alumni Association, "Campus Master Plan Update and Sustainability Leadership," May, Richmond, VA
- 2010 Southern Company Georgia Tech Club, "Georgia Tech: Green Plans," October, Atlanta, GA
- 2010 Southern Company, "Lunch and Learn with Howard Wertheimer: Campus Master Plan and Sustainability at Georgia Tech," May, Atlanta, GA
- 2010 Georgia Tech Symposium, "Smart Campus Overview," April, Atlanta, GA
- 2010 College of Architecture studio presentation, "Greening the Campus: Meeting the ACUPCC Challenge," March, Atlanta, GA
- 2009 Georgia Tech Silver Jackets, "Campus Master Plan and Sustainability Leadership," May, Atlanta, GA
- 2009 University Leadership Program – "Space Management and Real Estate Funding", April, Atlanta, GA
- 2008 Georgia Tech Alumni Association, "Campus Master Plan Update and Sustainability Leadership," November, Pensacola, FL
- 2007 "Thinking Green: Georgia Tech – A Living Learning Laboratory for Sustainability," September, Atlanta, GA

2.1 ACADEMIC SERVICE

Howard Wertheimer's passion for the profession has empowered him to establish unique opportunities to teach, mentor and share knowledge, especially with his professional colleagues and future architects. During his tenure at Lord, Aeck & Sargent, Howard established a peer mentorship program where every employee had a mentor who was an owner of the company. Recognizing a need to better connect with intern architects, he established an aspiring peer mentor program to align intern architects with recently registered architects to help them navigate the IDP and ARE process. Howard helped establish LASU, an AIA accredited in-house continuing education program that ensured ongoing professional development, and hired its first full time administrative "Dean". In an effort to expose future architects to an award-winning national practice, Howard initiated a firm-wide outreach program to support architecture career fairs sponsored by regional universities. Howard has been a regular guest lecturer and design critic across the entire Georgia Tech campus.



American Intercontinental University

Part-time Instructor, Interior Design Program; 1994-2001



Auburn University

Guest Lecturer, "Integrated Design-Build Graduate Studio", Professor David Hinson, FAIA; 2011
Project Sponsor, Architecture Design Process Studio, Professor David Hinson, FAIA; 1998-present
School of Architecture, Planning & Landscape Architecture Career Fair; multiple years



Georgia Institute of Technology

Guest Critic, College of Architecture design studios; 1985-present
Guest Lecturer, Professional Practice course, Professor Stuart Romm, AIA; 2007-present
Guest Lecturer, Common First Year Studio, Assistant Dean Sabir Khan; 2008-present
College of Architecture Project Sponsor; multiple design studios; 2007-present
College of Architecture Career Fair; multiple years
College of Architecture Career Discovery Program; Guest speaker and building tour guide, Professor Charles Rudolph, AIA; 1998-present
Undergraduate Success Programs; GT1000 Guest lecturer; 2008-present



Lord, Aeck & Sargent University (LASU)

Established AIA Accredited In-house Continuing Education Program
Established firm-wide mentor program and aspiring peer mentor program
Initiated Regional Architecture Program Career Fair support program



Savannah College of Art & Design

School of Architecture Career Fair



Southern Polytechnic State University

School of Architecture Career Fair

Tuskegee University

School of Architecture Career Fair



University of Tennessee

School of Architecture Career Fair; multiple years

2.1 CIVIC LEADERSHIP / COMMUNITY INVOLVEMENT

Howard Wertheimer has leveraged his architectural communication and collaboration skills to bring people together to help improve the human condition.

Since his arrival in architecture school, Howard Wertheimer has continuously given back to his community. From coaching inner city youth sports teams to coaching international competitive U16 girls basketball teams, and from Board chair of the YMCA to being awarded their 2003 Volunteer of the Year, Howard has always recognized the importance of mentoring others, especially young children and exposing them to the world of architecture.

Lending his professional expertise, Howard has worked with Jane Fonda on the national pilot for the design of a Teen Clinic and the Jane Fonda Center at Emory University, and has co-chaired Leadership Atlanta's Race Relations Dialogue Series whose mission is to develop programs for open and honest conversations about race relations in and around Atlanta. Programs have featured internationally known speakers and thought leaders, and included pre-screenings of CNN's "Black in America" and "Latino in America" with CNN anchor and special correspondent Soledad O'Brien.

Howard established many formal and informal mentorship programs for young and aspiring architects, from speaking at K-12 career discovery programs, to providing job shadowing opportunities for future architects.

Howard represents Georgia Tech in a variety of community planning and design activities and organizations, including Midtown Alliance, Central Atlanta Progress, the Interstate 75/85 Connector project with SWA Group (Houston), and visioning exercises with Georgia Tech's corporate neighbor, Coca Cola.



Howard Wertheimer at the dedication of The Jane Fonda Center, which focuses on adolescent pregnancy prevention



Introducing children from St. Jude's Recovery Center to the world of architecture at Georgia Tech College of Architecture.

"During our early development as a practice, Howard has been an crucial mentor to both me and my business partner. From the opportunities to work with him on projects at Georgia Tech, to his volunteering for YAF programs, to numerous conversations about the development and growth of our firm, we've always been grateful for his time, counsel and leadership."

- Gregory Walker, AIA - Partner, Houser Walker Architects AIA Atlanta – Board of Directors, Director of Emerging Professionals, AIA YAF – National Advisory Board

2.1 CIVIC LEADERSHIP / COMMUNITY INVOLVEMENT

Midtown Alliance/Central Atlanta Progress: 75/85 Connector Project – 2011

Selected to represent Georgia Tech in working with other city, civic and international leaders to revision the interstate 75/85 Connector. Also represents Georgia Tech in conversations with city leaders about the possible introduction of streetcars. Helped lead the consultant interview and selection process, recommending the selection of the SWA Group (Houston)

North Avenue Corridor – 2010 - present

Selected to co-lead collaboration between Georgia Tech, Coca Cola and adjacent communities

Leadership Atlanta; Co-Chair Race Relations Dialogue Series – 2008-2010

Developed monthly programs and facilitated discussions with top private sector and public sector business leaders on the topic of race and the impact on education, healthcare, politics and economic development. Developed program at Turner Broadcasting Systems/CNN with national thought leaders

Leadership Atlanta's CEO Breakfast – 2009

Participated in leadership breakfast with Frank Blake, CEO of The Home Depot and Phil Kent, CEO Turner Broadcasting System

Leadership Atlanta – Class of 2006

Selected as an impactful community leader to participate in year-long leadership program focused social change and exercising “real leadership committed to serving the common good”

Georgia Biomedical Partnership – 1997-2003

Program committee leader focused on advancing economic development in the bio-sciences in Georgia

Metro Chamber of Commerce - BioScience Industry Council member – 2002

Participated in establishing strategic visioning process to expand Georgia's bio-science and life-science industries

Scientific Equipment and Furniture Association (SEFA) – Board member 2001-04

First non-manufacturer voting Board member of international organization focused on laboratory casework industry

Science Fair Judge - Davis Academy Middle School – 1999-2001



Hosting children from St. Jude's Recovery Center at NBC affiliate WSB-TV with anchor Lori Geary.



Working with volunteer leaders from neighboring Coca Cola to improve their shared community, Howard was invited to Coca Cola's 125th Anniversary celebration. Pictured with American Idol winner Kelly Clarkson.

2.1 CIVIC LEADERSHIP / COMMUNITY INVOLVEMENT

Ashford Dunwoody YMCA Board Chair - (2003 Volunteer of the Year)

First non-Christian Board Chair of YMCA. Initiated community relationships with Jewish Community Center to develop joint youth sports programs for pre-teens, which has now expanded to include three neighborhood churches

Metro Atlanta YMCA - 2003 Volunteer Recognition Dinner

Volunteer of the Year recognition for leading volunteer efforts for the most successful fundraising campaign for Partner with Youth Campaign

Maccabi U16 Girls Basketball Coach (2002, 2003, 2005, 2006)

Successfully Coached, mentored and chaperoned team in international competition against teams from Argentina, Mexico, Canada, Spain, England, Australia, Israel and the United States. Won medals each year of competition.

JCC Maccabi Games

Service Recognition Program Award, 2002

Dunwoody High School

Additions and Renovations – Community participant

Peachtree Charter Middle School

Community Leader/Building Committee member

Only volunteer architect to represent community in the development of a new middle school

Davis Academy Middle School

Building Committee member and Science Fair judge

MJCCA All-Stars vs. Harlem Globetrotters Legends Fundraising Basketball Game (2003 and 2004)

MJCCA All-Star participant; Selected to participate in fundraiser basketball game

Youth Sports Coach (ongoing)

Volunteer coach for youth basketball, tee-ball, girls softball, baseball teams



Howard Wertheimer and U16 Team Atlanta at International Macabbi Games in Houston



Program excerpt from Metro Atlanta YMCA Volunteer of the Year Recognition Dinner

2.2 SIGNIFICANT AWARDS, HONORS & RECOGNITIONS

Private Practice (Lord, Aeck & Sargent)

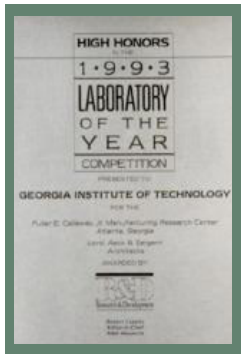


- AIA National Honor Awards; Continuing Education System (CES) Award for Excellence, medium-sized firm, 2007 (recognition of program nominee established while employed at Lord, Aeck & Sargent)
- AIA - National Honor Award; Mount Carmel Elementary School, 1992
- AIA - National Honor Award; Trinity School, 1990



- AIA Southeastern Region - Mount Carmel Elementary School, 1994
- AIA Southeastern Region; Delta Air Lines Reservations Center, 1988
- AIA Southeastern Region; Trinity School, 1987

- AIA Georgia - Georgia Architecture Firm Award, 2005 (Nominee was a principal and partner of Lord, Aeck & Sargent)
- AIA Georgia - Georgia Tech Manufacturing Research Center, 1995
- AIA Georgia - Mount Carmel Elementary School, 1991
- AIA Georgia - Aaron Diamond AIDS Research Center, 1991
- AIA Georgia - Trinity School, 1988



- AIA Atlanta - Silver Medal Award for “consistent pursuit and achievement of the highest quality in design for a firm, which over a period of five to ten years consistently has strived for and achieved the highest qualities in design.”, 2003
- AIA Atlanta - Silver Medal Award for “consistent pursuit and achievement of the highest quality in design for a firm, which over a period of five to ten years consistently has strived for and achieved the highest qualities in design.”, 1991

- Progressive Architecture Annual Design Citations - Georgia Tech Manufacturing Research Center, 1989

- R & D Magazine Lab of the Year - High Honors, Georgia Tech Manufacturing Research Center, 1993
- R & D Magazine Lab of the Year - Special Mention, Aaron Diamond AIDS Research Center, 1992

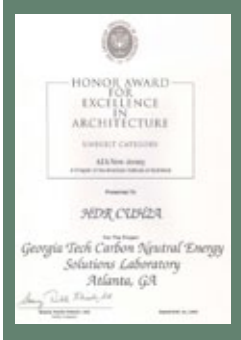


- *Environmental Design + Construction Magazine* - Excellence in Design Award Honorable Mention - Educational Category, Clemson University, Rhodes Hall Bioengineering Annex, 2011
- *Environmental Design + Construction Magazine* - Excellence in Design Award Honorable Mention - Educational Category, Clemson University, Harris A. Smith Building for Packaging Science & Graphics, 2010
- Construction Specifications Institute - Environmental Sensitivity Institute Award for Environmental Sensitivity, 2003
- American Concrete Institute - Award of Excellence, Industrial Buildings Category, United Distributors, 2000
- American Concrete Institute - Award of Excellence, Grace Crum Rollins Building, Emory University School of Public Health, 1994
- Atlanta Urban Design Commission- Georgia Tech Manufacturing Research Center, 1992
- Bricklayers & Allied Craftsmen - Masonry Craftsmanship; Rock-Tenn Headquarters, 1990
- Historic Office Building of the Year - Building Owners and Managers Association (BOMA) for the Southeast and the Atlanta area: The Candler Building, 1989
- Design Competition Finalist - Phoenix Historical Society Museum, 1985

2.2 SIGNIFICANT AWARDS, HONORS & RECOGNITIONS



Under the direction of the candidate as Director of Capital Planning & Space Management



- AIA Georgia - Honor Award for Design Excellence - Hinman Building, 2011 (Architect: Lord, Aeck & Sargent with Office dA)
- AIA Pennsylvania - Honor Award for Architectural Excellence – Marcus Nanotechnology Research Building, 2011 (Architect: Bohlin Cywinski Jackson)
- AIA New Jersey – Honor Award for Excellence in Architecture, Unbuilt Category – Carbon Neutral Energy Solutions Laboratory, 2009 (Architect: HDR/CUH2A)
- AIA Philadelphia - Merit Award for Design - Marcus Nanotechnology Research Building, 2009 (Architect: Bohlin Cywinski Jackson)
- Progressive Architecture Design Citation, The Georgia Institute of Technology Hinman Building Rehabilitation, 2011 (Architect: Lord, Aeck & Sargent with Office dA)
- BD+C Reconstruction Award – Hinman Building, October 2011 (Architect: Lord, Aeck & Sargent with Office dA)
- CMAA Honor Award – Hinman Building, 2011 (Architect: Lord, Aeck & Sargent with Office dA)
- The European Center for Architecture and The Chicago Athenaeum - Green Good Design Awards- Marcus Nanotechnology Research Building, 2011 (Architect: Bohlin Cywinski Jackson)
- North American Copper in Architecture Awards - Design Award, New Construction Category - Marcus Nanotechnology Research Building, 2010 (Architect: Bohlin Cywinski Jackson)
- Society of American Registered Architects - Design of Honor Award - Marcus Nanotechnology Research Building, 2010 (Architect: Bohlin Cywinski Jackson)
- Presidential Recognition for Outstanding Service to the Georgia Tech Student Body, 2009
- SCUP Design Award - Georgia Tech's Landscape Master Plan, 2009 (Landscape Architect: Robinson Fisher & Associates)
- Southeast Construction Best of 2009 Awards - Special Award for Best Project Management - Marcus Nanotechnology Research Building, 2009 (Architect: Bohlin Cywinski Jackson)
- Atlanta Urban Design Commission – Award of Excellence – Power Wrap (Public Art), 2008 (Architect: Amy Landesberg and Georgia Tech College of Architecture Students)
- ASLA Georgia Chapter Honor Award - Georgia Tech's Landscape Master Plan, 2008 (Landscape Architect: Robinson Fisher & Associates)
- CISCA Construction Excellence Awards - Silver Citation of Merit, Overall Interior South Region - Marcus Nanotechnology Research Building, 2008 (Architect: Bohlin Cywinski Jackson)

2.3 SIGNIFICANT PUBLICATIONS

Publications Authored or Co-Authored by the Nominee



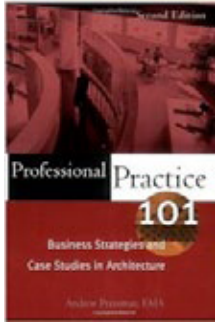
- “Georgia Tech Facilities Inc. - Celebrating 20 Years of Support.” Publisher and editor, Spring 2009.
- *Ascent* (PCI.org), “Inside Out Façade Speeds Research Center Expansion.” co-author, Winter 2005.
- *School Construction News*, “Fast –Track Inside-Out Construction – Medical College of Georgia.” Co-author, March/April 2005.
- *A PKAL Roundtable: Cranbrook Institute*, “Facilities of the Future.” Co-author, March 2003.
- *SEFA Scope*, “Top Ten Industry Issues & Trends.” Author, Spring 2003.
- *Tradeline Academic Research Buildings*, “Optimum Plans for Multidiscipline, Multifunction Laboratory Buildings.” Co-author, 2003.
- *R&D Magazine*, “10 Tips for Detailing Your BL-3 Laboratory.” Co-author, November 2002.
- *R&D Magazine*, Biocontainment Equipment Choice.” Author, Fall 2002.
- *Laboratory Design*, “Four Degrees of Lab Renovation.” Co-author, March 2002.
- “Best Practices for Modernizing Outdated Science Building.” Co-author, 1999.

Publications where the Nominee was Referenced, Quoted, or Featured



- *Technique*, “Master Plan: Tech Plans Future Expansion, Renovations for Campus.” September 2011. (quoted extensively in cover story article)
- *College Planning & Management*, “Space Race. October 2010.
- *Atlanta Business Chronicle*, “Tech to build \$23M Energy Research Lab.” March 2010. (quoted extensively in feature article about leading the development of one of the first net-zero energy laboratories in the country)
- *Newsroom*, “Construction Grant to Help Fund Carbon-Neutral Energy Solutions Laboratory.” January 2010 (quoted extensively in feature article about NIST funding and leading the development of one of the first net-zero energy laboratories in the country)
- *The Whistle*, “Efficiency Rewarded: Stimulus grant to help fund energy-efficiency solutions lab.” January 2010. (quoted extensively in feature article about NIST funding and leading the development of one of the first net-zero energy laboratories in the country)
- *Ivan Allen College for the Liberal Arts Newsletter*, “Innovations Earn Old CE Building Gold.” January 2010 (featured in article about leadership role for the first historic preservation project at a public university in GA to achieve LEED Gold)
- *The Whistle*, “Landscape Master Plan directs green space, water conservation projects.” June 2009.
- *The Whistle*, “Tech to turn it off for Earth Hour initiative.” March 2009. (featured in article about being one of the leading universities in the US to initiate Earth Hour)
- *The Whistle*, “Tech recognized with separate green awards.” October 2008. (represented Georgia Tech at a National Press Conference in Seattle, WA to receive Princeton Review Green Honor Roll award)
- *The Whistle*, “Institute Seeks the LEED.” August 2008.
- *The Whistle*, “Non-essential lighting to go dark for Earth Hour.” March 2008. (featured in article about being one of the first universities in the US to initiate Earth Hour)
- *The Whistle*, “Using captured water to serve campus landscape.” September 2007.
- *SCUP Member News*, “Member News.” February 2007.
- *The Whistle*, “Institute seeks the LEED.” June 2007.
- *Southface Journal and On-line Newsletter*, “Greening Higher Education.” Atlanta, GA, November 2007.

2.3 SIGNIFICANT PUBLICATIONS



- Pressman, Andrew; “Professional Practice 101: Business Strategies and Case Studies in Architecture”; 2nd edition, March 2006. (quoted by the authors in a chapter by written by David Hinson, FAIA about design-centered design/build delivery)
- *Atlanta Business Chronicle*, “Commercial Real Estate: Demand Ignites Competition.” August, 2005.
- *Healthcare Design*, “Sustainability Under the Sun, Georgia Tech Student Health Center.” November 2004.
- *Change*, “Transforming the Physical Environment for Learning.” contributor, September, 2004.
- *College of Architecture Newsletter*, Featured in “Alumni News.” Spring 2004.
- *The Augusta Chronicle*, “MCG gets peek at Center.” February 2004.
- *R&D Magazine*, “Let There Be Light.” May 2001.
- *SEFA Scope*, “Ft. Lauderdale Fall Conference a Smash Success.” Spring 2003.
- *The Jewish Georgian*, “Schwartz on Sports: Captains, Characters and Champions.” March 2001.
- *Atlanta Business Chronicle*, “Lord, Aeck & Sargent sharpens focus in 3 areas.” January, 2001.
- *Atlanta Business Chronicle*, “Balancing Equipment and People in Cramped Labs”, December 2000. (quoted extensively in article about state-of-the-art medical research laboratories)
- *Public Health: Rollins School of Public Health Magazine*, “1518 Clifton Road: The New Home for the School of Public Health.” Spring 1995.
- *Progressive Architecture*, “Georgia Institute of Technology Manufacturing Research Center.” 1992.
- *Architecture*, “Trinity School.” 1990.

Publications About the Nominee’s Projects

- *AIA Georgia: The Georgia Architect*, “2011 Design Awards: One Architect, One Future.” October 2011.
- *GreenSource Magazine*, “Building That Teach: The New Generation of Living Laboratories.” October 2011.
- *The Chronicle of Higher Education*, “Georgia Tech opens \$93M Learning Commons.” August, 2011.
- *New York Times*, “More Colleges Adding ‘Green’ to School Colors.” August 2011.
- *dBusinessNews*, “New Georgia Tech Undergraduate Commons features Latest Environmental and Energy-Saving Technologies.” August, 2011.
- *AASHE Student Diary Series*, “Creating a Bike Friendly Campus.” July 2011.
- *Midtown Patch*, “Alexander Memorial Coliseum Memorabilia Up For Auction.” March 2011.
- *Sustainable Facility Magazine*, “Strategic Planning: The University of Louisville’s goal of reducing the campus’ overall footprint meant targeting the campus’ prime culprits—existing structures.” June 2011.
- *ArchitectureWeek*, “Architecture People and Places – Georgia Tech Hinman Research Building by Office dA and Lord, Aeck & Sargent in Atlanta, Georgia.” April 13, 2011.
- *ArchDaily*, “Hinman Research Building / office dA and Lord, Aeck & Sargent.” March 30, 2011.
- *ArtsCriticATL.com*, “At Georgia Tech: ... the fabulous Hinman rehab.” January 17, 2011 .
- *Laboratory Design*, “Univ. of Louisville (Ky.), Duthie Center for Engineering (adaptive reuse).” October 13, 2010
- *Green Building Elements*, “Engineering School Renovation Earns LEED Gold.” August 30, 2010.
- *Mother Nature Network*, “Duthie Center earns LEED Gold.” July 30, 2010.
- *Masonry Construction*, “One Nice Package – Clemson University’s Sonoco Institute of Packaging Design and Graphics.” April 2010.
- *SCUP*, “A Tribute to Achievement and Excellence – Merit Award for Excellence in Planning for an Established Campus, Georgia Tech’s Landscape Master Plan.” Fall 2009.

2.3 SIGNIFICANT PUBLICATIONS



- *Masonry Design*, "New Structure on Track to Become Clemson University's First LEED Gold Building." Fall 2009
- *Tradeline*, "Clemson University Completes Sonoco Institute of Packaging Design and Graphics." July 18, 2009.
- *Designer*, "One-of-a-kind Multidisciplinary Packaging Design & Graphics Program Underway in New Bldg at Clemson." July 17, 2009.
- *Archi-Tech*, "New Building at Clemson University is about Creating Campus Connections and Promoting Sustainability." July 2009.
- *Princeton Review*, "Princeton Review Rolls Out List of the Top Greenest Campuses." July 2009.
- *Tradeline*, "Munroe Science Center, Wesleyan College." June 17, 2009.
- *Sustainability at Georgia Tech*, "Klaus Advanced Computing Building Wins LEED Gold Certification." Fall 2008.
- *Southface Journal and On-line Newsletter*, "Christopher W. Klaus Advanced Computing Building Case Study." Fall 2008.
- *Southface Journal and On-line Newsletter*, "Green Commercial Buildings up the Ante." Summer 2008.
- *The Whistle*, "Gold LEED certification awarded for Klaus." June 2008.
- *The Whistle*, "Administrators, Students hold Safety Walk." April 2008.
- *Designer*, "AIA Announces Recipients of Continuing Education Award for Excellence." January 1, 2007.
- *Facilities Planning News*, "Manufacturing Research Center at Georgia Tech," March 2006.
- *Laboratory Design*, "Vanderbilt University, Institute of Imaging Science." March 2006.
- *Laboratory Design*, "University of Michigan-Dearborn, Engineering Building Addition." October, 2005.
- *AIA Architect*, "Lord, Aeck & Sargent Completes \$27.3M Medical College of Georgia Research Building." July 2004.
- *Inside Bona's: St. Bonaventure University*, "Science Advisory Council begins evaluating Science Building." July 1999.
- *Concrete Products / mondo times*, "Amazing Grace: Cook & Ingle puts a new twist on architectural precast for Grace Crum Rollins Building." December, 1995.
- *Atlanta Journal/Atlanta Constitution*, "Concrete Classics." March 1995.
- *Facility Planning News*, "Emory University Rollins School of Public Health." May 1995.
- *L'Industria delle Costruzioni*, "Centro di ricerche ad Atlanta, Georgia," March 1993.
- *Architecture*, "Aaron Diamond AIDS Research Center." 1991.
- *Architecture*, "Candler Building." 1990.
- *Architecture*, "Trinity School." 1990.
- *Progressive Architecture*, "Georgia Institute of Technology Manufacturing Research Center." 1989.
- *Architectural Record*, "Delta Air Lines Reservations Center." 1989.
- *Architectural Record*, "Trinity School." 1988.

EXHIBITS LIST

- 3.1 **Campus Historic Preservation Plan**
Georgia Institute of Technology – 2010
Atlanta, Georgia
Photo Credits: Old CE Building: Surber Barber Choate Hertlein, p. 37
- 3.2 **Landscape Master Plan**
Georgia Institute of Technology – 2010
Atlanta, Georgia
- 3.3 **Cistern Master Plan**
Georgia Institute of Technology – 2008
Atlanta, Georgia
- 3.4 **Athletic Precinct**
Georgia Institute of Technology – 2007-2012
Atlanta, Georgia
Photo Credits: Softball and Indoor Football: Barton Malow, p. 43
- 3.5 **Clough Commons**
Georgia Institute of Technology – 2011
Atlanta, Georgia
Photo Credits: Robb Helfrick, p. 44
- 3.6 **Hinman Research Building**
Georgia Institute of Technology – 2011
Atlanta, Georgia
Photo Credits: Jonathan Hillyer, p. 47-48
- 3.7 **Carbon Neutral Energy Solutions Laboratory**
Georgia Institute of Technology – 2012 (under construction)
Atlanta, Georgia
- 3.8 **North Avenue Dining Hall**
Georgia Institute of Technology – 2011
Atlanta, Georgia
Photo Credits: Thomas Watkins, p. 51-52
- 3.9 **Vanderbilt University Institute of Imaging Science**
Vanderbilt University – 2006
Nashville, Tennessee
Photo Credits: Rachel Paul and Will Sullivan (c) Aerial Innovations, Inc., p. 53-54
- 3.10 **Manufacturing Research Center**
Georgia Institute of Technology – 1991
Atlanta, Georgia
Photo Credits: Jonathan Hillyer, p. 56

3.1 CAMPUS HISTORIC PRESERVATION PLAN (2010)

Role of Nominee

Howard Wertheimer catalyzed Georgia Tech's commitment to Historic Preservation and provided the overall leadership and strategic oversight in the development of the 2010 Campus Historic Preservation Plan. Wertheimer created a steering committee of subject matter experts, including the campus historic preservation officer, architects, landscape architects, faculty, horticulturalists, accessibility experts and engineers who worked with consultants in analyzing and preserving historic structures, landscapes and monuments, developing the appropriate guidelines for effective stewardship of these culturally significant assets.

Synopsis

Georgia Tech was the first institution within the 35 unit Board of Regents system to develop a Campus Historic Preservation Plan (CHPP). Under Howard's guidance and leadership, Georgia Tech then became the first institution within the system to update their CHPP, and the first to include historic and cultural landscapes with this document. Howard Wertheimer matched comprehensive design teams who would sensitively revitalize these projects through thoughtful and challenging integration of engineered systems, technology, accessibility, sustainability and preservation to promote design excellence while maintaining their cultural heritage.

As signatories of the American College and University President's Climate Commitment, Howard set the bar even higher by requiring all historic renovation projects to seek LEED Gold certification. The renovated Old Civil Engineering building was the first LEED Gold certified Historic Renovation project in the Board of Regents System.

Under Howard's leadership, the team conducted research and developed a historic context that documents the physical evolution of the campus from pre-history and the Civil War through to the present, and conducted a Phase I architectural survey of all resources 40 years old or older. For the first time within the BOR system, historic landscapes were identified in consultation with the project steering committee. The CHPP recommends the establishment of a "Modern-era Historic District." Howard expanded the pre-historic context and updated the Archaeological Sensitivity Maps based on new information, and developed a "Catalog of Historic Resources" that summarizes the information collected on each historic architectural and landscape resource.

Select Awards, Recognitions and Presentations

- 1st in State to develop Historic Preservation Plan
- 1st in State to update Historic Preservation Plan
- 1st in State to have LEED Gold Certified Historic Preservation project (Old Civil Engineering Building – 2007)
- 2010 BOR Facility Officers Conference – Savannah, Georgia
- 2011 BOR Facility Officers Conference – Columbus, Georgia
- Governor's Award for Historic Preservation Stewardship - Georgia Department of Natural Resources, Historic Preservation Division



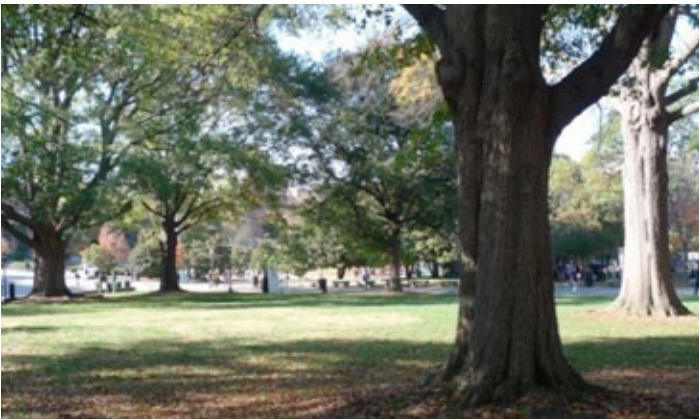
Georgia Tech ca. 1920

Declaration of Responsibility

I have personal knowledge of the nominee's responsibility for the project listed above. The project was completed under the direction of the nominee.

Antonin Aeck, FAIA – Lord, Aeck & Sargent Architects

3.1 CAMPUS HISTORIC PRESERVATION PLAN (2010)



One of the twelve historic landscapes identified in CHPP



Archaeological Sensitivity Map

036 Andrew Carnegie Building

BUILDING NO. FULL RESOURCE NAME



View of Andrew Carnegie Building looking north.

RESOURCE DATA

Date of Completion: 1906
Style/Typology: Neoclassical Revival
Architect/Designer: Morgan & Dillon
Builder: Gude & Walker
Building Area: 10,221 gsf
Historic Use: library
Current Use: administration services

Major Renovations/Additions: 2007

NATIONAL REGISTER OF HISTORIC PLACES

Listed on the National Register of Historic Places - 1974

LOCATION MAP



INSTITUTIONAL VALUE CATEGORY

Category 1

ANTICIPATED TREATMENT

Minor Rehabilitation

025 Lloyd W. Chapin Building

BUILDING NO. FULL RESOURCE NAME



View of Lloyd W. Chapin Building looking east.

RESOURCE DATA

Date of Completion: 1910
Style/Typology: Georgian/Colonial Revival
Architect/Designer: Francis P. Smith
Builder:
Building Area: 7,522 gsf
Historic Use: infirmary (health care)
Current Use: academic/research

Major Renovations/Additions: 2000

NATIONAL REGISTER OF HISTORIC PLACES

Listed on the National Register of Historic Places - 1974

LOCATION MAP



INSTITUTIONAL VALUE CATEGORY

Category 1

ANTICIPATED TREATMENT

Extensive Rehabilitation

Sample page from the "Catalog of Historic Resources"



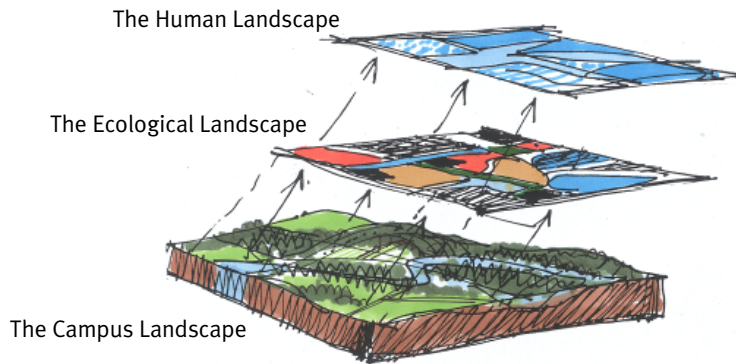
Old CE Building
- 1st Historic
Preservation
project in State of
Georgia Board of
Regents System
to earn LEED Gold
Certification



Skiles Building
– Included in
the Modern-era
historic district

Architect: Lord, Aeck & Sargent (Atlanta, GA and Ann Arbor, MI)

3.2 LANDSCAPE MASTER PLAN (2010)



Role of Nominee

While most universities have a Campus Master Plan, very few have a Landscape Master Plan (LMP). Howard Wertheimer was instrumental in leading the development of the Landscape Master Plan, the EcoCommons, and its subsequent update which focused on the ecological performance and human landscape of the Georgia Tech campus. Going beyond the establishment of campus standards for site furnishings, site lighting, plant material, and storm water management, Howard expanded the scope to include requirements for submissions and reviews with the Planning & Design Commission, tree replacement requirements, pilot tree planting, and a comprehensive hydrological study for the entire campus, establishing a strong vision for a performance landscape.

Synopsis

The intent of the Landscape Master Plan is threefold: Follow up on recommendations contained in the 2004 Campus Master Plan Update; Create a plan based on an ecological approach; and Develop a document that can guide future development to achieve a livable, sustainable and beautiful campus.

There are three major goals for the Landscape Master Plan: 1) Develop an integrated, ecologically-based landscape and open space system that helps Georgia Tech achieve its goal of environmental sustainability, specifically, a 50% reduction of current stormwater entering the Atlanta sewer system; 2) Develop a landscape that enhances the living, working, and learning environment of the Institute, and 3) Develop a landscape that unifies the campus and gives it a distinct sense of place and expresses the identity of Georgia Tech.

The Landscape Master Plan establishes a strong vision of a landscape that will be unique to Georgia Tech - a performance landscape - that joins technology and ecology to create a great sense of place. The master plan provides the data base, performance standards and design tools for an ongoing process of design, but it is not prescriptive. It encourages creativity and innovation by many to reach sustainable goals.

Select Awards and Recognitions

- Princeton Review 2009, 2010, 2011, 2012 Green Honor Roll
- Sierra Club, "Coolest Schools" – 2010
- SCUP Excellence in Planning for an Established Campus, Merit Award - 2009
- Georgia ASLA Honor Award, 2009

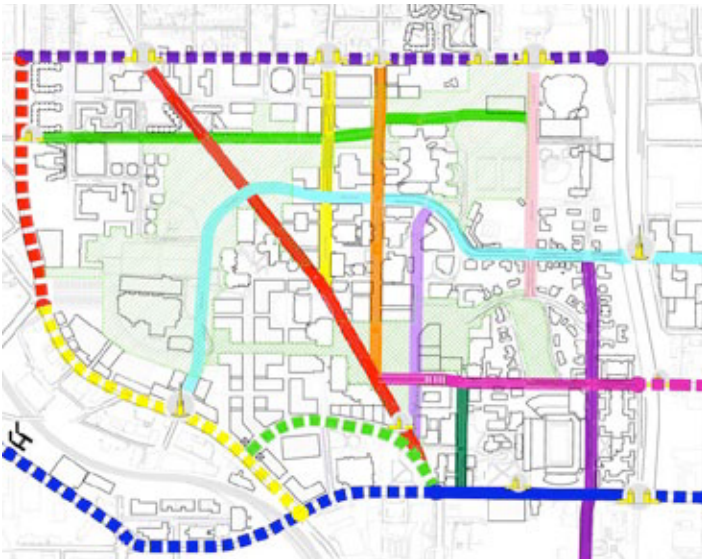
Select Publications

- SCUP 2009 Annual Conference Awards Publication, July 2009
- *The Whistle*, "Landscape Master Plan directs green space, water conservation projects." June 2009
- *YouTube*, "Green Buzz: Landscape Master Plan" March 2010
- *Arbor Day Tree Campus USA*, "Georgia Tech Campus Tree Care Plan" – October 2008
- AASHE website, "Georgia Institute of Technology 2008 Campus Sustainability Leadership Award Application," 2008
- SCUP website, "SCUP Excellence in Planning for an Established Campus, Merit Award," 2009
- The College Sustainability Report Card, "Georgia Institute of Technology," 2010

Declaration of Responsibility: I have personal knowledge of the nominee's responsibility for the project listed above. The project was completed under the direction of the nominee.

Robinson Fisher, ASLA
Consultant for Georgia Tech's Landscape Master Plan

3.2 LANDSCAPE MASTER PLAN (2010)



Design Corridors: three dimensional volumes of outdoor space that contain the community life of the campus—portals to buildings, gathering places and venues for diverse activities.



Layered Master Plan Concept: involves all aspects of the ecological and human landscape.



Pilot Tree Planting projects:

Increase tree canopy, reduce stormwater runoff, reduce heat island, and beautify the campus.

Pilot Tree Planting Project:

Before, top. Three years later, bottom



Eco-Commons: engineered waterway that significantly reduces stormwater runoff, visually exposing water as an educational, research and recreational amenity.

Landscape Architect: Robinson Fisher & Associates (Athens, GA)

3.3 SUSTAINABLE PLANNING / CISTERN MASTER PLAN (2008)

Role of Nominee

Howard Wertheimer is the visionary behind Georgia Tech's Cistern Master Plan. He provides the day-to-day leadership, management and direct strategic oversight of the Cistern Master Plan and campus-wide Sustainability initiatives. Howard articulates the campus-wide sustainability goals and ensures their realization by actively engaging other campus departments and all design and construction consultants to ensure a thorough understanding of strategic, campus-wide sustainability initiatives, with a particular emphasis on innovative water conservation, reuse and harvesting strategies.

Synopsis

Founded in 1885, Georgia Tech has 14.6M gross square feet of space, and nearly 50% is classified as sustainably designed. Recognizing the importance of water conservation and reuse, Howard Wertheimer created a Cistern Master Plan for the campus, the first such master plan on a university campus.

Two of the primary goals of the Cistern Master Plan is to significantly reduce stormwater runoff and to eliminate Georgia Tech's use of potable water to meet the irrigation needs of the campus. Currently, more than 50% of irrigated areas on campus are served by harvested water from cisterns, including all athletic facilities.

A 1.4 million gallon cistern was recently constructed in the center of campus, and is the largest cistern on a university campus, and one of the largest cisterns in the country. Along with 32 other cisterns and water harvesting devices, a network is being created to eliminate Georgia Tech's reliance on potable water to meet irrigation requirements.

Viewing the campus as its own ecosystem, over 300 design and construction consultants from across the country have been directly exposed to, and educated about, Georgia Tech's Cistern Master Plan and water harvesting methodologies through conference presentations, pre-proposal meetings, and direct consultation with Georgia Tech.

Select Publications, Presentations and Papers

- Princeton Review; 2009, 2010, 2011, 2012
- Society of College and University Planning; Summer 2010
- National Wildlife Federation, "Water Conservation and Reuse Strategies for Colleges and Universities" Statesboro, GA, September 2011
- AASHE, "Smart Growth Strategy: Immersive Sustainability Master Plan," October 2011, Pittsburg, PA
- Greenprints Conference, Atlanta, GA, March 2010
- NACUBO Smart and Sustainable Campuses Conference, "Sustainable Campus Strategies," College Park, MD, March 2010
- SCUP Southern Regional Conference, "Regeneration: Planning Beyond Sustainability – Campus Crossroads: Georgia Tech's Innovative Learning Resource Center," New Orleans, LA, October 2008

Select Awards and Recognitions

- Princeton Review Green Honor Roll, 2008, 2009, 2010, 2011; Georgia Tech is only one of three schools featured on the 2009, 2010 and 2011 Green Rating Honor Rolls.
- SCUP Design Award: Georgia Tech's Landscape Master Plan, 2009
- Arbor Day Foundation: Tree Campus USA, 2008, 2009, 2010, 2011
- ASLA Georgia Chapter, Honor Award, Georgia Tech's Landscape Master Plan, 2008

Declaration of Responsibility: I have personal knowledge of the nominee's responsibility for the project listed above. The project was completed under the direction of the nominee.

Steven G. Swant, Executive Vice President
Administration & Finance Georgia Institute of
Technology

3.3 SUSTAINABLE PLANNING / CISTERN MASTER PLAN (2008)

The areas circled in red are large areas that were identified as targets of opportunity.

Area C – A new deep well is being installed to irrigate Couch Park.

Area D – A landscape sector plan is currently underway to determine cistern requirements.

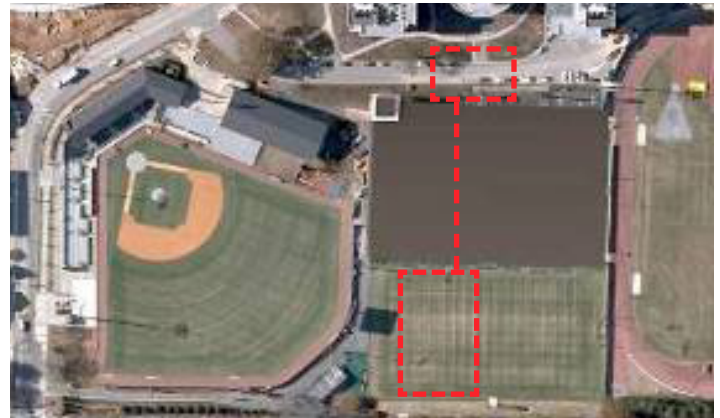
Area A – Now contains the largest cistern in the United States on a university campus at 1.4 million gallons. It captures stormwater from a 16 acre basin, reducing stormwater runoff by 60%, while providing harvested water to irrigate the new central campus green space; provides grey water to flush toilets in the new 220,000 gsf Clough Undergraduate Learning Commons; and provides harvested water for the adjacent Campanile fountain.

Area B – A new 280,000 gallon cistern was recently installed as part of the new Brock Indoor Football Practice Facility, and will provide harvested water to irrigate Georgia Tech's baseball field, outdoor football practice field, and track. The cistern connects to an existing 40,000 gallon that serves the adjacent Ford ES&T Research Building, capturing excess building condensation that could not otherwise be captured and harvested, and was overflowing into the city stormwater system.

Area E – A Housing sector plan is currently underway that when complete, will connect the existing irrigation system to existing cisterns under the east stands of the football stadium.



Construction photo of 1.4 Million Gallon Cistern (May 2010)



A new 280,000 gallon cistern is connected to an existing 40,000 gallon cistern, providing harvested water to irrigate over 6 acres of athletic fields, eliminating the need for potable water and reducing overflow into the city's combined sewer system.



280,000 Gallon Cistern under construction provides harvested water to irrigate the athletic precinct

Architect: Department of Capital Planning & Space Management, Georgia Tech (Atlanta, GA)

3.4 ATHLETIC PRECINCT (2007-2012)

Role of Nominee

As Director of Capital Planning & Space Management, Howard Wertheimer spearheaded the comprehensive integration of Georgia Tech's expanding Athletic facilities, fostering a collaborative, comprehensive and sustainable integration of all athletic facilities into the Campus Master Plan. Wertheimer partnered with the Athletics Department to create a new model for intercollegiate athletics, providing the vision and leadership that positively influenced users, architects and contractors to think and act differently about the design of intercollegiate athletic facilities on a university campus, with a specific emphasis on sustainability.

Synopsis

Under Wertheimer's leadership, the Shirley C Mewborn Softball Complex became the first LEED Gold Certified intercollegiate women's softball complex in the country. This was the first fully integrated BIM project at Georgia Tech. Howard conceived and directed Georgia Tech's first compensated design-build competition in an effort to expedite the project delivery and control the project budget without sacrificing design quality, for the \$45M Alexander Memorial Coliseum/McCamish Pavilion. As part of the Athletic Precinct and Cistern Master Plans, Howard connected all of the athletic fields with a 280,000 gallon cistern that provides a 30-day supply of harvested water for irrigation purposes. Howard also conceived and initiated Georgia Tech's game day recycling program in 2007, successfully recruiting volunteer students, faculty, staff and alumni to distribute single stream recycling bags for game day tailgaters. The program diverted over 20 tons of waste in the first year and has become a model for other universities.

Select Awards and Recognitions

- Princeton Review 2012 – #1 Ranked Best Athletic Facilities
- Women's Softball Complex:
 - AIA Georgia Design Award - 2010
 - First LEED Gold Stadium in the United States – USGBC
 - Build Georgia Award, First Place or Merit - Associated General Contractors of America, Georgia Branch - 2009
 - Best Small Project, Engineering News & Construction's Southeast Construction Magazine - 2009
 - First Place - Construction Management (New Construction) - Firms Earning Over \$100 Million Associated General Contractors of America, Georgia Branch
 - Merit award for the Best Sustainable Building Practices Division - Associated General Contractors of America, Georgia Branch

Select Publications

- ENR Southeast – “Best Small Project”, December 2009
- AJC – “New Softball Field touches all the bases to be Best in ACC”, March 2009.
- Green Sports Venues.com – “Mewborn Field is first LEED Gold Sports Facility”, April 2010.

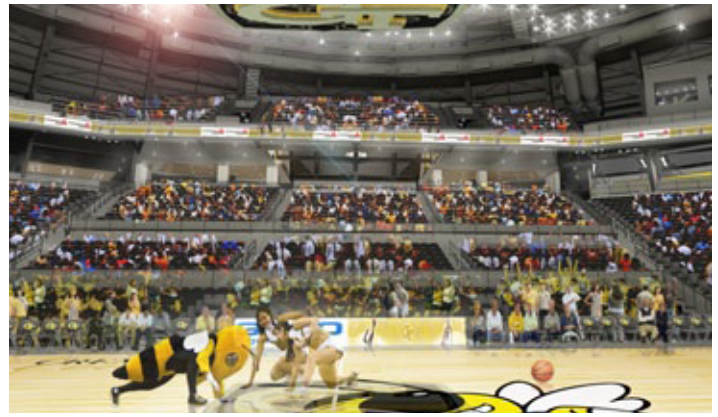


*2012 Princeton Review Ranked
Georgia Tech #1 Best Athletic Facilities*

Declaration of Responsibility: I have personal knowledge of the nominee's responsibility for the project listed above. The project was completed under the direction of the nominee.

Dan Radakovich, Georgia Tech Director of
Athletics, Georgia Institute of Technology

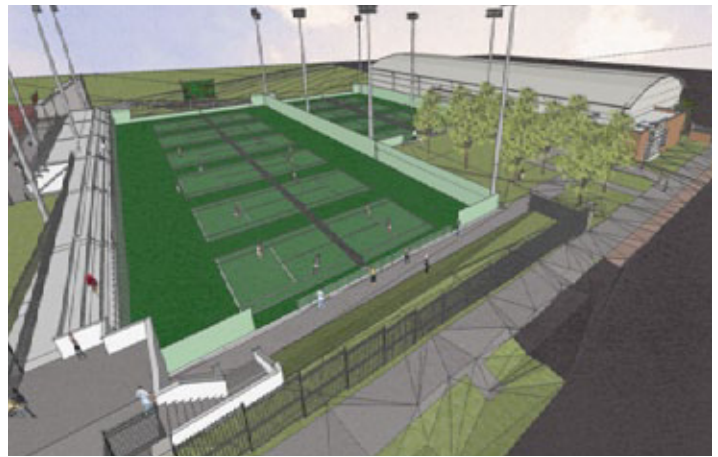
3.4 ATHLETIC PRECINCT (2007-2012)



Alexander Memorial Coliseum / McCamish Pavilion (completion Fall 2012). Design Builder: Whiting-Turner/SG Contracting. Design Architect: Populous. Associate Architect: Menefee + Winer. Targeting LEED Gold.



Brock Indoor Football Practice Facility (2011)
Design Builder: Barton Malow. Architect: Knight Architects
Targeting LEED Gold



Byars Tennis Complex (Completion January 2013). Architect: Woolpert with Browning Day Mullins Dierdorf. CM at Risk: New South Construction. Targeting LEED Gold



Shirley Mewborn Softball Complex (2008)
Architect: Rosser International / CM at Risk: Barton Malow
First LEED Gold Certified intercollegiate women's softball complex in the country



Zelnak Basketball Facility (2009)
Architect: HEERY International / CM at Risk: Gay Construction
One of the 1st LEED Gold Certified intercollegiate basketball practice facilities in the country. The roof was designed to support a future photovoltaic array.

3.5 CLOUGH UNDERGRADUATE LEARNING COMMONS (2011)

Role of Nominee

The planning and design of the Clough Commons exemplifies Howard Wertheimer's success in leading complex, fully integrated, sustainable design projects. Howard articulated the Institute's critical goals for the project, and was steadfast in ensuring their realization by fostering a collaborative and engaging communication process with all stakeholders and design disciplines, guiding the programming, design work and detailed execution.

Synopsis

Located in the heart of campus and attached to the Price-Gilbert and Crosland Tower Libraries on three different levels on a site that has a 40' vertical cross slope, Howard led a thoughtful and methodical multi-step, multi-year process that involved almost every unit on campus. The process started internally with a visioning exercise and conceptual program with campus leaders, then elevated through the selection of Perry Dean Rogers who provided detailed programming of the 220,000 sf Innovative Learning Resource Center and the 250,000 sf library complex, including conceptual design services, and concluded with the selection of Bolin Cywinski Jackson as the architect to Clough Undergraduate Learning Commons. Clough Commons is the new interdisciplinary academic home to all undergraduate students at Georgia Tech, housing all introductory science laboratories, experiential classrooms, academic advising, tutoring, student success programs, writing and communications programs, information technology support, innovative student commons areas, the Center for the Enhancement of Teaching and Learning, and a Starbucks café. The building has been dubbed "a one room schoolhouse on steroids".

Having strategic oversight of campus-wide sustainability initiatives, Howard empowered the design team to design the most sustainable building on campus to date. Built on an existing surface parking lot, Clough Commons will be the largest LEED Platinum building on a university campus, and features an abundance of daylighting, an 85kW photovoltaic array, extensive energy recovery systems, solar hot water heating, and a 1.4 million gallon cistern that reduces stormwater runoff by 60%, twice of what is required by the City of Atlanta. The cistern will provide site irrigation and provide grey water to flush toilets in Clough Commons, saving over 6000 gallons/day of potable water. These sustainability features are living illustrations of concepts taught in Georgia Tech's architecture and engineering programs.

Select Awards and Recognitions

- 2011 Best New Building (as voted by Georgia Tech students)
- Pursuing LEED Platinum

Select Publications:

- Featured on CNN; August 25, 2011
- Technique, September, 2011



Declaration of Responsibility: I have personal knowledge of the nominee's responsibility for the project listed above. The project was completed under the direction of the nominee.

Peter Bohlin, FAIA - Bohlin, Cywinski, Jackson
Architects

3.5 CLOUGH UNDERGRADUATE LEARNING COMMONS (2011)



Clough Commons with Tech Green in foreground



Roof garden

"The Clough Commons is without question the most important building and the best building on campus. When the doors opened, it was immediately adopted by the undergraduate students on campus. The building would not have been possible without Howard Wertheimer. With his planning expertise and his knowledge of STEM pedagogy, he was able to guide the project architects as they designed the building. He is responsible for meeting the high expectations of the Georgia Tech planning committee for both academic functionality and sustainability."

-Dr. Anderson D. Smith, Senior Vice Provost of Academic Affairs, and Chair of the Georgia Tech Clough Commons planning committee

Architect: Bohlin, Cywinski Jackson (Philadelphia, PA)

3.5 CLOUGH UNDERGRADUATE LEARNING COMMONS (2011)



Stepped seating area in 2-story lobby



Interactive sustainability dashboard



85 kW photovoltaic array



Informal learning space/study room with astroturf floor and bean bags

3.6 HINMAN RESEARCH BUILDING (2011)

Role of Nominee

As Director of Capital Planning and Space Management, Howard Wertheimer was responsible for the qualifications based selection of the architect and the construction manager. Howard articulated preservation and renovation goals, and ensured their realization, leading the consultant teams to elicit the highest possible quality of design, historic preservation, materials, technology and sustainability integration. Wertheimer served as the liaison between the user groups and the design and construction teams, and facilitated design review discussions with the Planning and Design Commission.

Synopsis

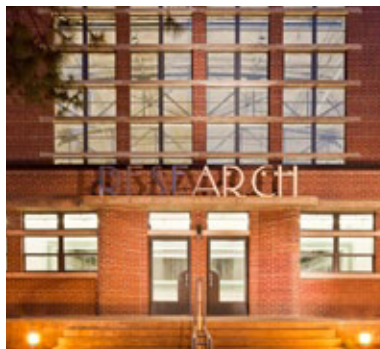
Designed in 1939 as Georgia Tech's first research building by architect and later director of Georgia Tech's School of Architecture P.F. Heffernan, the signature Hinman Research Building is a magnificent barrel vaulted high bay lab space that had been identified in the Campus Master Plan and Campus Historic Preservation Plan as one of the most significant mid-century modern buildings on campus. The 35,000 sf building restoration has been artfully preserved and revitalized, reconceived to accommodate the future needs of the College of Architecture, thoughtfully communicating the relationship between the past and future of architectural education at Georgia Tech.

Select Awards and Recognitions

- AIA Georgia Honor Design Award, 2011
- P/A Design Award Citation, March 2011
- Construction Managers Association of America Award, June 2011
- Building Design + Construction, Reconstruction Award, October 2011

Select Publications

- AIA Georgia "The Georgia Architect," October 2011
- Architecture Magazine, June 2011
- Building Design + Construction, November 2011
- Atlanta Business Chronicle, June 2011
- Green Building Chronicle, April 2011
- arch daily, March 2011
- Architecture Week, March 2011
- Building Design + Construction, December 2010



Declaration of Responsibility: I have personal knowledge of the nominee's responsibility for the project listed above. The project was completed under the direction of the nominee.

Jack Pyburn, FAIA – Principal, Lord, Aeck & Sargent

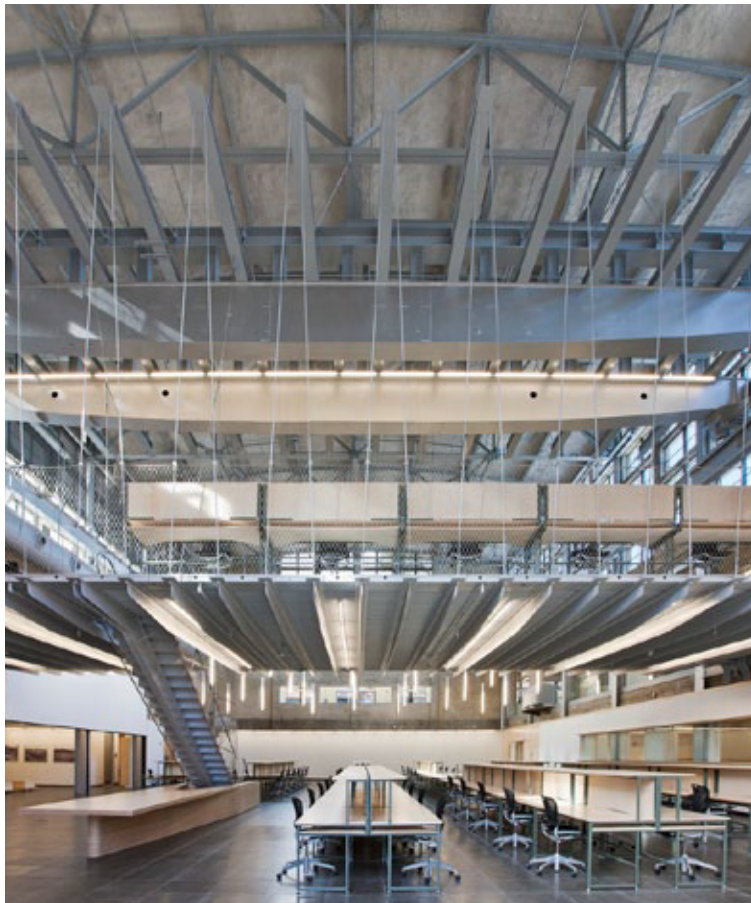
3.6 HINMAN RESEARCH BUILDING (2011)



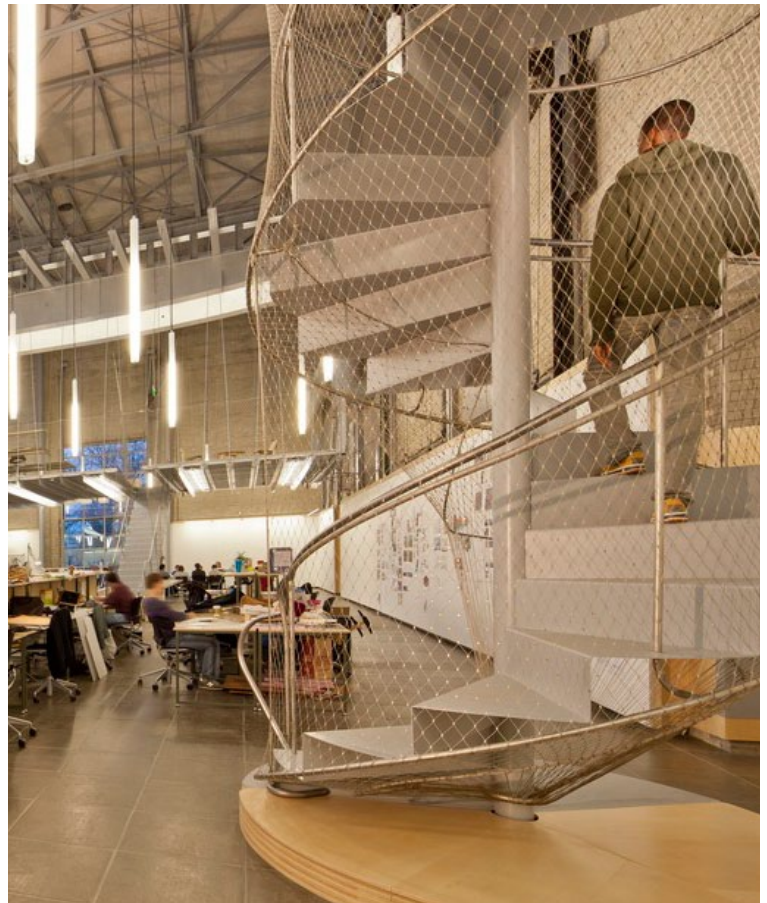
President G.P. “Bud” Peterson, Dean Alan Balfour, Nader Tehrani, Howard Wertheimer at the building dedication ceremony

“The Hinman Building project required a special cultural understanding of both academic and practical culture --an understanding that academic research can actually influence practice from the base, and conversely that practice can hold higher standards for academic ambitions. Howard navigated this terrain between project management and academic speculation with extra-ordinary nuance, flexibility and ingenuity. The success of the project, no doubt, has a great deal to do with Howard’s cultural understanding of the forces with which this project need to reckon.”

- Nader Tehrani, Principal Office dA
(now Office NAADA)



Design studio with suspended “crib” from existing overhead crane system



High bay design studio and stair

Architect: Lord, Aeck & Sargent (Atlanta, GA) with Office dA (Boston, MA)

3.7 CARBON NEUTRAL ENERGY SOLUTIONS LABORATORY (2012)

Role of Nominee

Howard Wertheimer formulated the initial program and conceptual design for one of the first net-zero energy high-bay research laboratories in the country. He then successfully lead the grant writing team as co-PI for a NIST (National Institute of Standards and Technology) Federal Grant, and was awarded \$11.6M in stimulus money for a net-zero energy research laboratory building that will be focused on pilot-scale carbon neutral energy solutions research.

Synopsis

Wertheimer supervised the selection process for an integrated design-build team to construct one of the first net-zero energy research laboratories on a university campus, and one of only a small handful anywhere in the world. When complete, this project will also be one of a few LEED Platinum research buildings on a university campus.

Wertheimer developed a tri-party contracting agreement between the owner, architect and contractor ensuring that design quality would not be compromised throughout the entire design and construction process.

As the Owner representative and co-PI on the NIST Grant, Wertheimer mandated and led the process to achieve a fully integrated design solution, seamlessly blending architecture, landscape, engineering, technology and sustainability into one of the first net-zero energy pilot-scale research laboratories in the world.

Currently under construction and scheduled for completion in December 2012, the project has already won a New Jersey AIA Design Award and has been presented at several national and international conferences.

Select Awards and Recognitions

- AIA New Jersey Merit Design Award - 2009
- SCUP Webcast - “Carbon Neutral Campus Architecture: Climate Specific Design and Innovation” - 2009
- SCUP Southeast presentation – San Antonio, Texas; October 2011
- SCUP Southeast – “Georgia Tech’s Courageous Leadership in Capital Project Development” – San Antonio, TX – October 2011
- Georgia Solar Energy Association – Summer Solstice Panel Discussion “Getting to Net-Zero” – Atlanta, GA – June 2010

Select Publications

- R&D Magazine Online - “Expert Panel Teleconference: Pursuing Net Zero Energy Laboratories” – September 2011
- GreenSource magazine – “Buildings That Teach: The new generation of “Living Laboratories” – September 2011



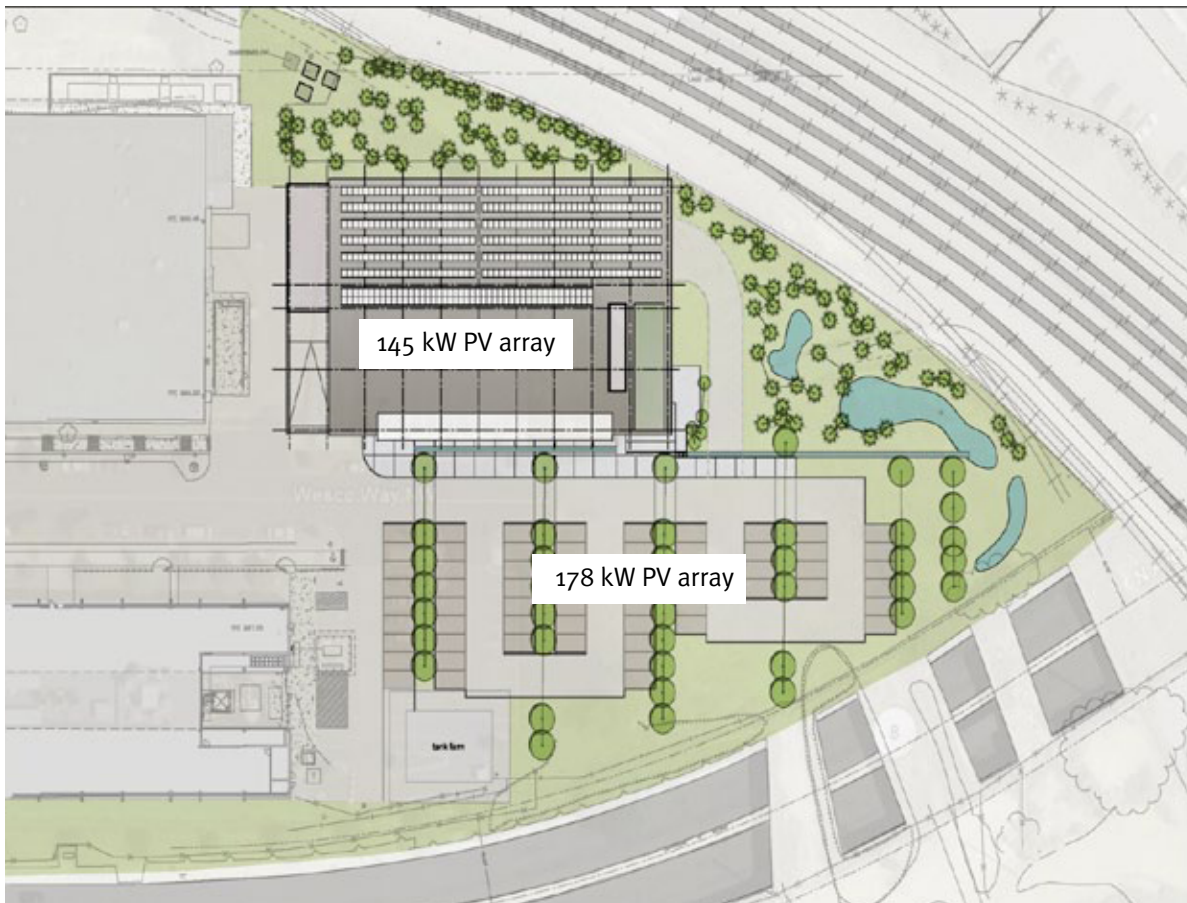
Declaration of Responsibility: I have personal knowledge of the nominee's responsibility for the project listed above. The project was completed under the direction of the nominee.

Jonathan Crane, FAIA – Project Executive, HDR Architecture

3.7 CARBON NEUTRAL ENERGY SOLUTIONS LABORATORY (2012)



High bay laboratory with midbay and office block beyond



Site plan with solar array and on-site stormwater management systems

Architect: HDR (Atlanta, GA and Princeton, NJ); Design-BUILDER: Gilbane (Atlanta, GA)

3.8 NORTH AVENUE DINING HALL (2011)

Role of Nominee

Howard Wertheimer led the solicitation, short-list and selection process for the architect, landscape architect and construction manager for a new 24/7, 300-seat, all you care to eat dining facility; the first new dining facility constructed on the Georgia Tech campus in over 50 years.

Howard facilitated all design discussions with university leadership and the Planning and Design Commission, resulting in a simple, yet highly refined and elegant design solution that mitigates the unique urban setting and challenging topography.

Synopsis

The architect of record for this project was Meneffe + Winer (Atlanta, GA) with Hanbury Evans Wright Vlattas (Norfolk, VA) serving as project designer. The Office of James Burnett (Houston, TX) was the Landscape Architect.

Located at the edge of campus, one of the key project goals that Howard challenged the design team was to recognize that good urban design should set the direction, and shape the solution, and to examine what best serves the urban condition, site and program.

The project sits at the base of an existing residence hall, which is one of four buildings forming a quad of a 2000-bed apartment style student housing complex.

Located on a busy sloping public street, the primary glass façade faces north, providing abundant daylighting while offering a 270 degree view back to campus. Public art was incorporated in the form of an LED light wall that silhouettes diners in the evening. In the evening, interior lighting is used to supplement the illumination of the sidewalk, creating a safer environment for pedestrians.

At Howard's recommendation, several university dining facilities from around the country were visited to establish benchmarks and compile a list of lessons learned from other leading dining programs.

Targeting LEED Gold, the building is a totally trayless facility, and has many sustainable features, including state-of-the-art composting equipment and a green roof that will be used to grow food that will be used as part of the dining program.

Select Awards and Recognitions

Only open a few months, the North Avenue Dining Hall has already received visitors from several universities from around the country.



Declaration of Responsibility: I have personal knowledge of the nominee's responsibility for the project listed above. The project was completed under the direction of the nominee.

Rosalind Meyers, VP for Auxiliary Services

3.8 NORTH AVENUE DINING HALL (2011)



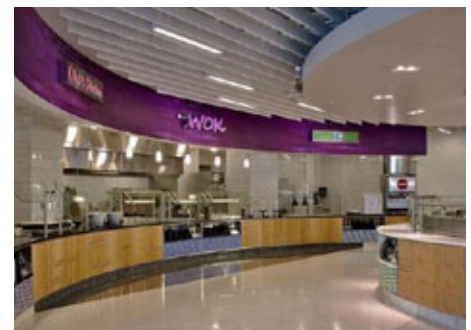
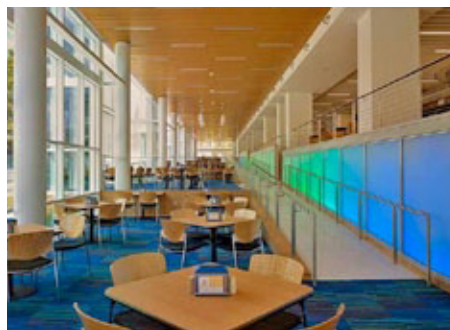
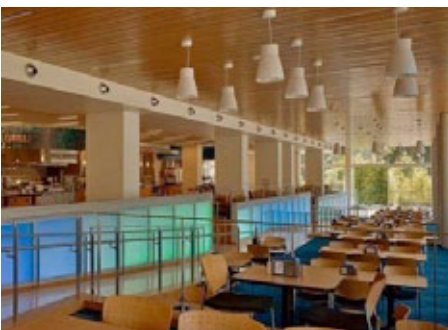
Building and landscape work seamlessly to mitigate a hard urban edge and changes in topography

"I have been involved in the design of campus dining facilities for over 20 years, and this has been my most rewarding and fulfilling project ever. Howard was a fantastic client, constantly pushing us for design excellence. The students love it, and I couldn't be more pleased."

-Stephen Wright, AIA – Principal, Perkins Eastman
(work completed while Principal and Design partner at Handbury Evans Wright Vlattas)



Roof garden supplies fresh herbs for the dining facility



Interior: LED light wall separates food venues from the stepped seating zones, providing an edge for the handicap ramp and public art.

Design Architect: Handbury Evans Wright Vlattas (Norfolk, VA); Architect of Record: Menefee + Winer (Atlanta, GA)

3.9 VANDERBILT VUIIS (2006)

Role of Nominee

While employed at Lord, Aeck & Sargent, Howard Wertheimer provided technical programming and conceptual design services for Vanderbilt University's successful pursuit of an NIH facilities grant, and subsequently was the principal-in-charge, leading the detailed programming, design and construction activities for a myriad of technically sophisticated user groups.

Synopsis

Vanderbilt University's Institute of Imaging Science (VUIIS) was sited into an existing courtyard space bounded on three sides by multi-story medical and office facilities.

The primary goal of VUIIS is to develop new and enhanced imaging techniques, which will be used to address significant global problems in biology and medicine. The five-story Imaging Center houses several large state-of-the-art magnets that are being used for both clinical and research applications, and includes a small animal holding facility.

Shortly after the building had broken ground, a 55,000 sf, four-story vertical expansion was added to the project. The structure was designed and planned to accommodate this future growth, however, it wasn't anticipated to occur for several years. The expansion houses two floors of research, one floor of gross anatomy labs, offices, and a mechanical penthouse. Two floors of the expansion connect via a sky bridge to an existing adjacent building to allow for sharing of resources.

The facility brings together a strong faculty of imaging scientists with diverse backgrounds pursuing research in developing new imaging methods as well as applications in cancer, neuroscience, metabolic disorders, cardiovascular disease and other areas.

Select Presentations/Publications

- Vanderbilt University School of Medicine Retreat - "The Architectural DNA of the Vanderbilt University Institute for Imaging Science", June 2006 – Louisville, KY
- Tradeline – "Emerging Science", March 2006 – St. Petersburg, FL



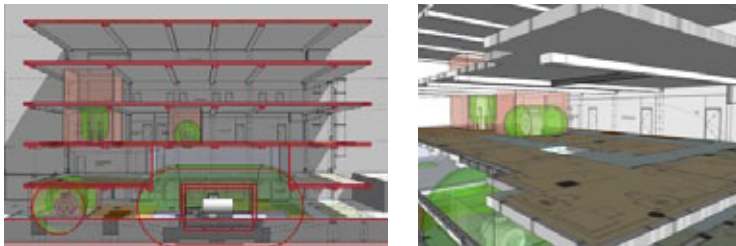
Declaration of Responsibility: I have personal knowledge of the nominee's responsibility for the project listed above. The project was completed under the direction of the nominee.

Dr. John Gore, Director
Vanderbilt University Institute of Imaging
Science

3.9 VANDERBILT VUIIS (2006)



VUIIS with connecting sky bridge to adjacent building



3-dimensional equipment planning identifies gauss lines

“Howard and his team helped us develop a successful application for funding from the NIH, and subsequently designed one of the foremost imaging centers in the world, integrating a number of complex technologies and laboratories and creating a unique environment in which scientists and clinicians from across the globe collaborate on cutting-edge biomedical research.”

-Dr. John Gore, Director
Vanderbilt University Institute of Imaging Science

Architect: Lord, Aeck & Sargent (Atlanta, GA)

3.10 MANUFACTURING RESEARCH CENTER (1991)

Role of Nominee

While employed at Lord, Aeck & Sargent, Howard served as Principal in charge and lead planner and programmer on the planning and design of this precedent-setting, award-winning interdisciplinary engineering research building. Designed as a generic engineering research laboratory building with no specific program or users, Howard helped establish a basic laboratory planning module that would allow for future flexibility and adaptability.

Twenty years after the original design, serving as the Director of Capital Planning and Space Management, Howard has overseen several interior renovation projects that are easily accommodated as a result of the modular laboratory and building plan.

Wertheimer and Lord, Aeck & Sargent went on to design several other interdisciplinary engineering research buildings around the country, including buildings at Clemson University, University of Michigan, University of Akron and Arizona State University where researchers and campus architects would specifically reference this building as their design precedent.

Synopsis

The Manufacturing Research Center at Georgia Tech established a new paradigm for flexible, adaptable engineering research facility design. The rational building systems are organized around an interdisciplinary high bay research laboratory and central atrium space, which also serves as the building's air handling equipment room, and ground floor lobby space, and includes catwalks that provide easy access and distribution for future utility systems required to serve the adjacent faculty research labs. The high bay and atrium space are illuminated with natural light from north facing roof-mounted light monitors, reducing the need for artificial lighting. Faculty offices line the east and west facades, with continuous strip windows which are wrapped with fritted glass sunscreens to reduce glare and heat gain.

The parti is a simple rectangular box that is oriented north/south, which minimizes the harsh southern exposure. The building is nestled into a sloping site, allowing for research vehicles to drive directly into the high bay. An overhead rolling bridge crane in the high bay laboratory allows for easy distribution and reconfiguration of large engineering testing experiments.

The design took cues from metaphors in manufacturing, with expressive bridges, cranes pivots and gear-like columns, and symbolic moving celebrating the technology of manufacturing.

Select Awards and Recognitions

- AIA Georgia - Georgia Tech Manufacturing Research Center, 1995
- R & D Magazine Lab of the Year - High Honors, Georgia Tech Manufacturing Research Center, 1993
- Atlanta Urban Design Commission- Georgia Tech Manufacturing Research Center, 1992
- Progressive Architecture Annual Design Citations - Georgia Tech Manufacturing Research Center, 1989

Select Publications

- Progressive Architecture, Georgia Institute of Technology Manufacturing Research Center, 1989
- Progressive Architecture, Georgia Institute of Technology Manufacturing Research Center, 1992
- Progressive Architecture, Georgia Institute of Technology Manufacturing Research Center, 1998
- R&D Magazine, Georgia Institute of Technology Manufacturing Research Center, 1996
- Research Horizons, Georgia Institute of Technology Manufacturing Research Center, 1988
- Facilities Planning News , "Manufacturing Research Center at Georgia Tech", March 1996
- L'Industria delle Costruzioni, "Centro di ricerche ad Atlanta, Georgia" – March 1993

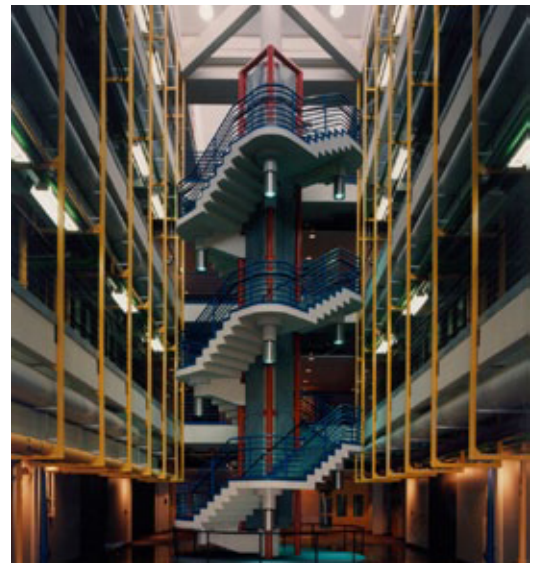
Declaration of Responsibility: I have personal knowledge of the nominee's responsibility for the project listed above. The nominee was a key member of the design team.

Larry Lord, FAIA – Lord, Aeck & Sargent

3.10 MANUFACTURING RESEARCH CENTER (1991)



Progressive Architecture Magazine



Atrium stair and adjacent utility catwalks



Sargent, Lord, & Wertheimer featured in Georgia Tech Alumni Magazine



Architect: Lord, Aeck & Sargent (Atlanta, GA)



High bay laboratory with north-facing glass and light monitors

REFERENCES

G. Wayne Clough, PE, PhD

Secretary, Smithsonian Institute

1000 Jefferson Dr., SW

Washington, DC 20560

Tel:

Relationship to Nominee: President 1994-2009, Georgia Institute of Technology

Wayne and Howard have known each other for almost 10 years when Wayne was President of Georgia Tech and Howard designed the Food Processing Technology Building and Student Health Center buildings at Georgia Tech, and later in Howard's role as Director of Capital Planning & Space Management at Georgia Tech.

David Miller, FAIA

Founding Principal, Miller Hull Partnership

2003 National AIA Firm of the Year

Chair, School of Architecture, University of Washington

71 Columbia-Sixth Floor

Seattle, Washington - 98104

Tel:

Relationship to Nominee: Professional colleague

David and Howard first worked together on a project for Delta Air Lines in Seattle, Washington in 1989. David has been a member of Georgia Tech's Planning and Design Commission since 2006.

Rick Heinz, FAIA

Principal, Research Facilities Design

3965 Fifth Avenue, Suite 400

San Diego, CA 92103

Tel:

Relationship to Nominee: Professional colleague

Rick and Howard have worked together since 1995 on science facility projects at Valdosta State University and St. Bonaventure University. Rick and his firm have completed several projects for Howard at Georgia Tech.

Jeanne Narum

Founding Executive Director, Project Kaleidoscope

1730 Rhode Island Ave. NW

Washington, D.C. 20009

Tel:

Relationship to Nominee: Professional colleague

Jeanne and Howard have been working together since the mid 1990's conducting facility planning workshops, conferences, publications and consultancies to colleges and universities around the country.

Alan Balfour, Associate AIA

2000 AIA Topaz Medallion Recipient

Dean, College of Architecture

Georgia Institute of Technology

245 4th St. NW

Atlanta, GA. 30332

Tel:

Relationship to Nominee: Former Professor and Current Professional colleague.

Alan and Howard have known each other since 1985 when Howard was an architectural graduate student of Alan's. Howard subsequently studied under Alan in London and Cambridge, and they now collaborate on a regular basis at Georgia Tech.

David Hinson, FAIA

School Head, School of Architecture, Planning, and Landscape Architecture

Auburn University

104 Dudley Hall

Auburn University - Auburn AL 36849-5316

Tel:

Relationship to Nominee: Professional colleague

David and Howard have been collaborating together since the mid 1990's where they have been educating and mentoring future architects.

Thomas Ventulett, FAIA

Founding Principal, Thompson Ventulett & Stainback

2002 National AIA Firm of the Year

1230 Peachtree Street

Atlanta, GA 30309

Tel:

Relationship to Nominee: Professional colleague

Tom and Howard have known each other for over 15 years as professional colleagues and collaborators. Tom has endowed a Chair at the College of Architecture, and serves on several advisory boards where Howard is an active contributor.

