

Mahesh Daas, DPACSA

Chairman and ACSA Distinguished Professor
Department of Architecture, Ball State University

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Mahesh Daas is the *ACSA Distinguished Professor*, and the *Chairman* of the department of architecture at Ball State University and the inaugural *Emerging Media Fellow* at the *Center for Media Design* at Ball State University. Before joining Ball State in 2008, Professor Daas was the *Associate Dean for Academic Affairs and Research* at the University of Texas at San Antonio College of Architecture. He led advising, assessment, enrollment management, faculty and student affairs, research administration, and strategic planning. He worked with architectural firms in Chicago and Kansas City, and also taught at Kansas State University.

As the chairman, he is responsible for 40 faculty members, 350 students, and 4 degree programs. Under his innovative leadership, the department has been ranked by *Architect* magazine among *top three* schools of architecture in the area of digital design, and among *top six* schools of architecture in the area of social justice. The department has also been recently recognized as a “*World-Class School of Architecture*” by *Design Intelligence Cramer Report*. At Ball State, Professor Daas describes himself as an “*Intellectual Venture Capitalist*,” and teaches “*An Inconvenient Studio*” and seminar on “*Innovation Methods*” where he employs entrepreneurial and self-organizing learning environments.”

Professor Daas is interested in the intersections between technology, social justice, education and design. He has been a keynote speaker at conferences in the US and South America. He has published over fifty refereed papers, book chapters, journal articles, and juried design projects, some of which have won best paper awards. At UT San Antonio, he won the *President’s Distinguished Achievement Award for Creative Production*. He is a co-recipient of a 2001 Kansas City AIA Merit Award for the Baron BMW Dealership building, and a 2007 recipient of *International Fabrics Foundation Outstanding Achievement Award* for the design and construction of Advanced Fabrics Exhibition.

He has been twice elected to the presidency of ACADIA (Association for Computer Aided Design in Architecture). He serves as an advisory board member of iDMAa (International Digital Media and Arts Association). He served as an elected editorial board member of IJAC (International Journal of Architectural Computing), and as a board member of the Indiana Architectural Foundation. He has been a peer-reviewer at the *National Science Foundation*, and served on an NSF delegation to Israel in 2010 to explore bilateral research opportunities. He has chaired a recent NSF symposium and workshop on Extreme Affordability, and has also served on research review panels for the Canadian Government.

A. Degrees and Certificates

- (2013) **Doctor of Education**, Higher Education Management (Executive Program)
The University of Pennsylvania, Philadelphia, PA
Expected 2013
- 1994 **Master of Architecture**, Post-professional Degree
Kansas State University, Manhattan, KS
John F. Helm Award for Academic Excellence and Professional Promise
Outstanding Thesis Award (Design Theory)
Thesis: "A Return to the City: An Investigative Pilgrimage to Banaras."
Advisor: Professor Gary J. Coates, Author of *Resettling America* and Eric Asmussen
- 1990 **Bachelor of Architecture**, Five-year Professional Degree
Jawaharlal Nehru Technological University, Hyderabad, India
A.P. Riding Club Gold Medal for overall academic excellence
Thesis: "A Place for All" a critical revision of Charles Correa's LIC building, New Delhi, India.
- 2007 **Performance Measurement for Effective Management of Nonprofit Organizations**
Harvard Business School and Harvard Kennedy School of Government, Cambridge, MA
- 2007 **General Management Executive Certificate**
McCombs School of Business, University of Texas at Austin

Professional Registration and Affiliations

- 2007 **LEED AP**: Leadership in Energy and Environmental Design Accreditation from U.S. Green Building Council
- 2007 **Associate member**, American Institute of Architects. ID 30416761
- 1999-Present **Licensed Architect**, India, License # CA/99/25158
- 1999-Present **Member**, Council of Architecture (MCA), India
- 1998-Present **Member**, Association for Computer Aided Design in Architecture

B. Summary of Work Experience (13)

- 2008- Present 1. **Chairman of Department of Architecture, College of Architecture and Planning, and Professor of Architecture**
Inaugural Emerging Media Fellow, Center for Media Design
Ball State University, Muncie, Indiana
- Manage all aspects of leading the department. 340 FTE students, 31.63 FTE faculty members.

- Led the department to 2009 Architect magazine national ranking of Top Three Schools in Digital Design/Fabrication and Top Six Schools in Social Justice.
- Raised funds worth \$110,000 in scholarships, prizes and donations
- Helped raise funds worth \$75,000 for Indiana architecture students through Indiana Architectural Foundation
- Launched a Design Innovation Faculty Fellow program
- Launched a “Conversations” series of interviews with alumni on “business of architecture.”
- Spearheaded a comprehensive curriculum redesign of Master of Architecture professional program
- Chaired the University Research Centers and Institutes policy creation task force that reported to the Vice Provost for Research
- Recruited four new full time faculty members in three years
- Launched a faculty research travel grant program

2007- 2008

2. Associate Dean for Academic Affairs and Research

- Overseen undergraduate programs, advising, student affairs, faculty affairs and strategic planning in addition to research affairs.

2005-2007

3. Associate Dean for Research

College of Architecture (~991 FTE enrollment)

University of Texas at San Antonio (~28,000 FTE enrollment)

Academic Affairs and General Administration (*Highlights*):

- **Raised funds, in-kind donations, and gifts worth \$645,000** for the college’s design-build projects, IT resources, and research. Additionally, I have obtained more than **\$650,000 in grants, donations and sponsorships** for my individual research and teaching activities.
- Participated in **four cycles of accreditation processes** (CIDA, NAAB) at two different academic institutions, one with a 5-year B.Arch. and the other with a 4+2 program. CoA liaison for the SACS university accreditation process.
- Chaired **comprehensive strategic planning process**, ready for implementation using TracDAT and FAIR enterprise planning systems in fall 2007.
- **Managed study abroad programs in Spain**, and overseeing programs in Italy and Mexico, and helped shape them into innovative, strategic globalization initiatives.

Research Administration (*Highlights*):

- Instituted measures that increased the college research productivity by 800% in two years (from \$2500 in 2005 to \$165,000 in 2007) on \$18,000 budget.
- Fostered close ties with industrial fabrics, smart textiles, and digital technologies industries
- Been the **principal writer** of the **UTSA Strategic Research Plan, 2006**. Developed the plan toward achieving a Tier-1 research status.

- Initiated and **co-chaired CoARS2006** (College of Architecture Research Symposium). The symposium allows CoA faculty to present college-funded research, creative work, and scholarly work to the college audience. All faculty and students were allowed time-off from their classes for one day to participate in the event.
 - Formed the **online Research Collective**, an online discussion and communication forum to share research information and conduct college-level research discussions.
- 2005- 2008 **4. Tenured Associate Professor**
College of Architecture
University of Texas at San Antonio
- 1999-2005 **5. Assistant Professor, Tenure Track**
School of Architecture
University of Texas at San Antonio
- 2001-2003 **6. Editor-in-Chief (2002-3) and Managing Editor (2001-2)**
Dotarchitect Online Journal, Architecture Research Institute, New York
- Responsibilities included developing a business plan, establishing the editorial board, structuring the submission and publication guidelines, networking with various funders, forming strategic partnerships, and web site development.
- 1999-Present **7. Private Practice**
- Worked on a commissioned project and two competition projects
 - Established “The Zone of Arc,” a non-profit educational trust to bring high-quality global education to India.
- 9/1997-8/1999 **8. Designer, and Coordinator of Education Program in Sustainability**
Gould Evans Goodman Associates
Kansas City, Missouri
- 8/1995-7/1997 **9. Visiting Assistant Professor**
College of Architecture, Planning and Design
Kansas State University
- 3/1994-8/1995 **10. Designer II and Digital Design Systems Administrator**
Griskelis and Smith Architects Ltd.
Chicago, Illinois
1994 March - 1995 August
- Responsibilities included providing design, digital technology and project support services to the firm.
 - Coordinated and implemented Lantastic 10 Base T Local Area Network for the firm.
 - Worked on banking, institutional and sports facilities in and around Chicago.
- Summer 1992 **11. Community Service Team Member**

Mid-Kansas Economic Development Commission

Great Bend, Kansas

Summer 1992

- Volunteered to spend a summer in rural Kansas to help the communities formulate a tourism development plan to promote Santa Fe Trail that runs through Barton County, Kansas.
- Lived on farms with local host families while meeting and collaborating with the local convention and visitor bureaus, city councils and historical associations.
- Was part of a team that helped the local people form the Barton-Rice-McPherson Santa Fe Trail historical Society.

Summer 1993 **12. Design Assistant**

Madeline Simon, Architect

Manhattan, KS

Summer 1993

- Assisted the architect in producing construction documents and project models.

Summer 1990 **13. Intern Architect**

R.B. Raju Associates

Hyderabad, India

Summer 1990

- Was solely responsible in designing a residential college campus near Hyderabad.

C. Refereed Publications

Refereed Book Chapters

1. "Afterword," in Michael Fox and Miles Kemp, Interactive Architecture, New Jersey: Princeton University Press, 2009.
2. "Circuits, Death and Sacred Fiction: The City of Banaras," in Arthur and Marilouise Kroker, eds., Critical Digital Studies, Toronto, Canada: University of Toronto Press, 2007. Other authors include Katherine Hayles, Lynn Hershmann, Lev Manovich and Donna Haraway. ISBN: 978-0802095466
3. "formZ in flatWorld," in Murali Paranandi, ed., Digital Pedagogy, Columbus, OH: AutoDesSys, February 2007.
4. "Solar Sails and the Triad of Sustainability," in R. Longoria and K. Tanzer, eds. The Green Braid: Towards an Architecture of Ecology, Economy and Equity, Routledge, London and New York: Routledge, 2007. ISBN: 9780415415002. ISBN-10: 0415415004
5. "Rhizogramming and a Synesthetic Transformation of Designer's Mind," in L. Vellner et al. eds. Dynamics of Architectural Knowledge, Helsinki, Finland, Summer 2005
6. "Circuits, Death and Sacred Fiction: The City of Banaras," in Arthur and Marilouise Kroker, eds., Life in the Wires: The Ctheory Reader, Victoria, Canada: Ctheory Books 2004, pp. 230-233. ISBN: 0-920393-21-7.
7. "Digital Technology, Systemic Flexibility, and the Epistemological Crisis of Architectural Education System," in Ann Elisabeth Taft, ed., Ethics in Architecture: Architectural Education in the Epoch of Virtuality/ L'éthique en architecture: L'enseignement de l'architecture à l'ère virtuelle, Aarhus, Denmark: European Association of Architectural Education Publication (Transactions on Architectural Education Series#8), 2000, pp. 41-48. ISBN: 2-930301-02-3.
8. With M. Dutta, "Solar Sails: An Installation," Second Prize winning refereed design project and writing published in Sun Wall Design Competition book, Golden, CO: The National Renewable Energy Laboratory, 2001. Federal publication number: DOE/GO-102001-1339.

Refereed Journal Publications

9. "Rethinking Smart Architecture: Some Strategic Design Frameworks," in G. Vasquez de Velasco and Jose Ripper Kos, et al, eds., the *International Journal of Architectural Computing (IJAC)*, Multiscience, V.4, No. 3, December 2006, pp. 33-46.
Quarterly, ISSN 1478 0771
10. "Deconstructing the Software Interface: A Critical Close Reading of AutoCAD," in J. Bermudez and Jose Ripper Kos, eds., the *International Journal of Architectural Computing (IJAC)*, Multiscience, V.7, December 2004, pp. 299-314.
11. With Kenneth Masden, "Interrupted Interface: On the Cybernetics of Digital Design Process," *Automation in Construction (AIC)*, Elsevier Press, 2003, 12:6:655-659.
Quarterly, ISSN 0926-5805
12. "Circuits, Death and Sacred Fiction: The City of Banaras," *Ctheory online journal*, www.ctheory.net, 1999, article #e084.

Refereed Conference Publications

Legend:

- ACADIA: Association for Computer Aided Design in Architecture
- ACSA: Association of Collegiate Schools of Architecture
- EAAE: European Association of Architectural Educators
- ECAADE: Education of Computer Aided Architectural Design in Europe
- SIGRADI: Sociedad Iberoamericana Grafica Digital

13. "Anachronisms of Digital Fabrication: Some Questions of Relevance," SIGRADI 2010 Conference, Bogota, Colombia, November 17-19.
14. "Deconstructing Materiality and the Transformation of Digital Architecture," SIGRADI 2010 Conference, Bogota, Colombia, November 17-19.
15. With Joshua Vermillion, "An Inconvenient Studio," ACADIA 09: reForm() - Building a Better Tomorrow [Proceedings of the 29th Annual Conference of the Association for Computer Aided Design in Architecture (ACADIA) ISBN 978-0-9842705-0-7] Chicago (Illinois) 22-25 October, 2009), pp. 287-290
16. With Devin Oatman, "Am I? The Architecture of Ambient Intelligence," ACADIA 2007 Conference, Halifax, Canada.
17. "Pushing the Boundaries: Lessons from A Tensile Membrane Design-Develop-Build Studio" paper forthcoming in the Proceedings of the 95th Annual Meeting of ACSA, Philadelphia, 2007.
18. "Light Exchange," refereed project and narrative published in the Proceedings of the ACADIA International Conference, Louisville, KY, 2006
19. With C. Nakamura, "Going Past the Golem: The Emergence of Smart Architecture," paper published in the Proceedings of the ACADIA International Conference, Louisville, KY, 2006
20. "Curvilinear: Pedagogy of Tensile Fabrications," paper published in the Proceedings of the ACADIA International Conference, Louisville, KY, 2006
21. "Kinetic and Responsive: A Complex-adaptive Approach to Smart Architecture," paper published in *Vision and Visualization*, Proceedings of the SIGRADI International Conference, Lima, Peru, 2005. Refereed 750-word abstract
22. "Building is a network for living in," paper published in the Proceedings of the ACADIA International Conference, Savannah, GA, 2005
23. "Postspatial Architectures: The Emergence of Time-like Parametric Worlds," paper published in *Cultura Digital y Diferenciacion*, Proceedings of the SIGRADI International Conference, Rosario, Argentina, 2003, pp. 375-382. ISBN: 987-9459-51-2.
(Keynote Presentation)
24. "Deconstructing AutoCAD: Toward a Critical Theory of Software (in) Design," in S. Carmena, ed., *Cultura Digital y Diferenciacion*, Proceedings of the SIGRADI International Conference, Rosario, Argentina, 2003, pp. 21-25. ISBN: 987-9459-51-2. Refereed 750-word abstract
(Awarded "Best Paper" prize out of 135 papers)
25. "Rhizograms: A Synesthetic Approach to Design Process," in *Dynamics of Architectural Knowledge*, Proceedings of the EAAE International Conference, Helsinki, Finland, 2003, pp. not available.
26. "Time-like Architectures: The Emergence of Postspatial Parametric Worlds," in G. Proctor, ed., *Thresholds*, Proceedings of the ACADIA International Conference, Pomona, California, 2002, pp. 71-78. ISBN: 1-880250-11-X.

27. "Time-like Architectures: The Emergence of Postspatial Parametric Worlds," in K. Koszewski and S. Wrona, eds., *Design E-ducation*, Proceedings of the ECAADE International Conference, Warsaw, Poland, 2002, pp. 254-261. ISBN: 0-954183-0-8. Refereed abstract
28. With Kenneth Masden, "Interrupted Interface: On the Cybernetics of Artistic Process," in K. Koszewski and S. Wrona, eds., *Design E-ducaiton*, Proceedings of the ECAADE International Conference, Warsaw, Poland, 2002, pp. 168-172. ISBN: 0-954183-0-8. Refereed abstract
29. "Solar Sails: An Installation," in R. El-Khoury, ed., *Architecture in Communication*, Proceedings of the ACSA Annual Meeting, New Orleans, Louisiana, 2002, pp. 172-173.
30. "Softerials: Digital Materiality and the Transformation of Architecture," in G. Guzman, ed., *Libro de Ponencias*, Proceedings of the SIGRADI International Conference, Concepcion, Chile, 2001, pp. 272-274.
(Mejor Presentacion/Best Presentation Award out of 95 presentations) Refereed 750-word abstract
31. "Production of Digital Space: On the Nature of Digital Materiality," in H. Pentilla, ed., *Architectural Information Management*, Proceedings of eCAADe Conference, 2001, pp. 348-351. ISBN 0-9523687-8-1. Refereed abstract
32. "Thoroughbred Pegasus Plaza," in W. Jabi, ed., *Reinventing the Discourse*, Proceedings of the ACADIA International Conference, Buffalo, New York, 2001, pp. 412-413. ISBN: 1-880250-10-1.
33. "Speed and Relativity: Toward Time-like Architecture," in T. Fisher and C. Macy, eds., *Paradoxes of Progress*, Proceedings of the ACSA Annual Meeting, Baltimore, Maryland, 2001, pp. 364-370.
34. "Architecture, Speed and Relativity: On the Ethics of Infinity, Eternity and Technology," in M. Clayton and G. Vasquez de Velasco, eds., *Eternity, Infinity and Virtuality in Architecture*, Proceedings of the ACADIA International Conference, Washington, D.C., 2000, pp. 29-37. ISBN: 1-880250-09-8
35. "An Epistemological and Systems Approach to Digital Technology Integration," in O. Ataman and J. Bermudez, eds., *Media and Design Process*, Proceedings of the ACADIA International Conference, Snow Bird, Utah, 1999, pp. 16-26. ISBN: 1-880250-08-X
36. "Digital Technology, Systemic Flexibility, and the Epistemological Crisis of Architectural Education System," in A.E. Taft, ed., *Proceedings of the EAAE International Workshop*, Aarhus, Denmark, 1999, pp. 22-28.
37. "Growing Rhizomes and Collapsing Walls: Postmodern Paradigms for Architectural Education," in K. Deines and K. B. Jones, eds., *La Città Nuova*, Proceedings of the ACSA International Conference, Rome, Italy, 1999, pp. 83-87.
38. "The Absurd Self and The Naked City: An Existential Redefinition of Sustainable Urbanism and the Case of Banaras," in K. Deines and K. B. Jones, eds., *La Città Nuova*, Proceedings of the ACSA International Conference, Rome, Italy, 1999, pp. 257-263.
39. "Toward Noosphere: Envisioning Wall-less Studios and Rhizomatic Pedagogy," in *Legacy + Aspirations*, Proceedings of the ACSA Annual Meeting, Minneapolis, Minnesota, 1999, pp. 149-155.

D. Invited Professional/Trade Publications

Conference Proceedings

1. "Digital Theory," in K. Klinger, ed., *Connecting: Crossroads of Digital Discourse*, Proceedings of the 2003 Annual Conference of the Association for Computer Aided Design In Architecture, Indianapolis (Indiana) 24-27 October 2003, p. 254. ISBN 1-880250-12-8

Paper Presentations

2. "Buildings are Networks for Living In: Reframing the Wicked Problem of Sustainable Architecture" in US-Israel NSF Workshop, July 2010.
3. "Adventures in Teaching and Building Tensile Membrane Structures." Invited paper published in the Handbook of the Fabric Structures 2005 international conference, October 25-26, 2005, San Antonio.
4. "Adventures in Designing and Building Tensile Membrane Structures," at Fabric Architecture 2005 conference, San Antonio, October 26, 2005.
5. "Epistemology of Sustainable Space: Toward a Holistic Discourse of Sustainable Architecture," paper presented at *(im)material: Explorations Toward Sustainability* international symposium, The Design Academy, Eindhoven, The Netherlands, October 2-3, 1998.
6. "The Question of Critical Negation: Can Krishnamurti be discussed? On the work of J. Krishnamurti" poster presented at the Krishnamurti Centennial Conference, Department of Philosophy, Miami University, Oxford, Ohio, May 1995.

Publications in Trade Magazines and Professional Forums:

7. "CAAD: Empowering Architects and Transforming the Industry" in *Indian Architect and Builder*, November 2007.
8. "Smart Architecture." Invited article forthcoming in *San Antonio Business Journal*, August 17, 2007.
9. "UTenSAils." Invited article in *Texas Architect* magazine, January/February issue, 2007.
10. "Adventures in Teaching and Building Tensile Fabric Structures." Invited article published in *Fabric Architecture* magazine, July/August issue, 2006.
11. "Tensions in Texas." Invited article published in *Fabric Architecture* magazine, May/June issue, 2005.
12. "Digital Thinking" section in J. Bermudez and K. Klinger, eds., *ACADIA Digital Technology & Architecture White Paper* written for National Architectural Accrediting Board (NAAB), 2003.

Publication of Supervised Student Work

13. *Architect* magazine, August 2010. R+D Citation Professional Award for student team "Projectione" for "Bitmaps" project.
14. *Texas Architect* regional magazine, January/February 2007. This trade magazine circulates to Texas architects, designers and specifiers. A three-page invited article, "UTenSAils: A Design-Develop-Build Studio," about the student work from ARC4256 Architecture Topic Studio.

15. *Fabric Architecture* international magazine, May/June 2006. This trade magazine circulates to 10,000 architects, designers and specifiers. With a 2.3 pass-along rate, this publication reaches 23,000 readers. 6 issues per year. Established in 1988. A four-page invited article, "Adventures in Designing and Building Tensile Fabric Structures," about the student work from ARC4256 Architecture Topic Studio.
16. Industrial Fabric Products Review magazine, December 2005. 20,000 circulation. 12 issues per year. Published since 1915. Two different articles have chronicled the work by me and the following students under my direction: Curtis Fish, Andrew Wit, Steven Cordero, Rene Lemos, Matthew Martinez, David Matiella, Hector Mendez.
17. *Fabric Architecture* international magazine, May/June 2005. This trade magazine circulates to 10,000 architects, designers and specifiers. With a 2.3 pass-along rate, this publication reaches 23,000 readers. 6 issues per year. Established in 1988. A three-page invited article, "Tensions in Texas," about the student work from ARC4256 Architecture Topic Studio by the following students: Andrew Wit, Hector Mendez, Michael Czimskey, Christopher Whiteford, Laura Rodriguez.
18. "Lock Ten," by Natalia Beard, student work published in *form*Z Joint Study Report*, international circulation, 2003.
19. "World Traveling Studio," by Kirk Bruni, student work published in *form*Z Joint Study Report*, international circulation, 2002.
20. Assorted student work published in *form*Z Joint Study Report*, international circulation, 2001.
21. Assorted student work published in *form*Z Joint Study Report*, international circulation, 2000.

Publications, News Media

1. *Advanced Fabrics Exhibition*, work featured on the cover and in the Industrial Fabric Products Review December 2005 issue: This trade magazine has 20,000 circulation. 12 issues per year. Published since 1915.
2. "Tensions in Texas," *Fabric Architecture* magazine article on UTenSAils, student work from ARC 4256: Architecture Topic Studio May/June 2005 issue.
3. "UTSA architecture student's 'Steelhenge' receives national recognition," article about 2004 ACSA/AISC Honorable Mention Award-winning work by student Josh Pierce and professor Senagala, *UTSA Today*, August 6, 2004.
<http://www.utsa.edu/today/2004/08/06.cfm>
4. "Cultura Digital E Diferenciação," article about the author's keynote presentation at the SIGRADI international conference, Rosario, Argentina, by Eduardo Sampaio Nardelli, in *aU (Architecture and Urbanism)* magazine, Brazil, January 2004, pp. 64-65. ISSN: 0102-8979.
5. "UTSA student wins national architecture design award," article about the 2003 ACSA/AISC Second Prize-winning work by student Natalia Beard and professor Mahesh Senagala, *UTSA Today*, June 25, 2003.
<http://www.utsa.edu/today/news/archive/2003/june/architect.cfm>
6. "Building Bridges," interview and article published in *The Hindu*, Daily, January 21, 2003, India. Readership 3,000,000.
<http://www.hinduonnet.com/thehindu/mp/2003/01/21/stories/2003012100340200.htm>
7. "The Nation, The Universe and Ground Zero," interviewed and quoted by Dick Teresi in *The New York Times Daily*, December 22, 2002 Section 4, Page 6, Column 1

8. "Solar Sails," design work featured on the ACSA Faculty Councilor Handbook cover, 2001
9. "Architects and Contractors Pickup Use of Virtual Reality," interview, work and article published in *Kansas City Business Journal*, Dec 4. V. 17, N. 13, Dec4-10, 1998
10. "Mahesh Senagala takes a green message abroad," focus item, *Perspectives*, Gould Evans Affiliates News Bulletin V. 10, No. 2, October 1998
11. "Design Projects Critiqued via the Web," in *Kansas State Collegian* newspaper, V.100, N. 096, February 19, 1996

E. Creative Works

Refereed Creative Activities and Works

1. With Joshua Vermillion, Eric Brockemeyer, Kyle Perry, Adam Buente and Elizabeth Boone, "Morpholuminescence" in ACADIA 2010 juried exhibition, Pratt Institute, New York, NY.
2. As Design Principal, with Steven Cordero, Curtis Fish, Matthew Martinez, and Andrew Wit (design associates), Advanced Fabrics Exhibition, IFAI 2005 Convention, San Antonio. The project won the 2007 IAA Outstanding Achievement Award.
3. As Design Principal, with Natalia Beard (design associate), Nagesh Shinde (graphic design), Shane Smith (digital media associate), M. Dutta (design critic), *Page 91101*, World Trade Center Site Memorial Design Competition, participation, New York, 2003
4. *Thoroughbred Pegasus Plaza*, international design competition, participation, Lexington, KY, 2001
5. Senagala, Mahesh and M. Dutta, *Solar Sails: An Installation*, US Department of Energy Sun Wall National Design Competition, won Second Place, Washington, DC, 2000 (Selected out of 115 entries)
6. "AMC Theaters Pavilion Design Competition," won first place and \$1000 prize for a pavilion at the International Council of Shopping Complexes convention, Commissioned to design, Las Vegas, 1998
7. With Anujay Vootla, "Millennium Tower," Central Glass Competition, participation, Japan, 1997
8. "Hybrid and Superimposition" Royal Institute of British Architects (RIBA) Design Competition, London, 1992
9. With Anujay Vootla, Balaji Macherla, "Tagore Memorial" Reubens National Design Trophy, won Third Place, Calcutta, 1989
10. With Venugopal Pulipaka and Anujay Vootla, "Charles Correa's LIC Building Critique" First Place, D.Y.Patil National Trophy for Architectural Criticism, Calcutta, 1989
11. "Light Exchange," juried project and narrative to be published in the Proceedings of the ACADIA International Conference, Louisville, KY, 2006
12. *Thoroughbred Pegasus Plaza*," exhibited at the Digital Media Exhibition, ACADIA 2001, Buffalo, New York, October 11-14, 2001
13. *Solar Sails: An Installation*," exhibited at the American Institute of Architects annual convention, Denver, May 17-19, 2001
14. *Solar Sails: An Installation*," exhibited at the Department of Energy, Washington, D.C., October 13, 2000

Student Work Featured in Juried Exhibitions

15. Honorable Mention prize-winning design work “Steelhenge” by student Josh Pierce, exhibited at the ACSA Annual Meeting, Chicago, 2004
16. Second Mention prize-winning design work “Lock Ten” by student Natalia Beard, exhibited at the ACSA Annual Meeting, Lexington, KY, 2003
17. Honorable Mention prize-winning work “World Travel Studio” by student Kirk Bruni, exhibited at the ACSA Annual Meeting, New Orleans, 2002

Refereed Publication of Supervised Student Work

18. Honorable Mention prize-winning design work “Steelhenge” by student Josh Pierce, published in the ACSA/AISC design competition booklet with international circulation, 2004, pp. not available. ISBN: Not available.
19. Second prize-winning design work “Lock Ten” by student Natalia Beard, published in the ACSA/AISC design competition booklet with international circulation, 2003, pp. 18-23. ISBN: 0-935502-51-3
20. Honorable Mention prize-winning work “World Travel Studio” by student Kirk Bruni, published in the ACSA/AISC design competition booklet with international circulation, 2002, pp. 32-33. ISBN: 0-935502-49-1

Non-refereed Creative Activities and Architectural Works

The following freelance works done as a registered practicing architect:

21. Exhibition of studio work at the *Industrial Fabrics Association International convention*, October 25-29, San Antonio
22. “Villa Pushkar,” A Guest House based on Jupiter’s paths, Gollapudi, India, 2001-
23. “Drifting Being,” a theatrical performance within an artistic installation, written, directed and performed at the Joan Grona Art Gallery, Bluestar Arts Complex, San Antonio, September 2001. This performance featured two UTSA students and four local high school students. Collaborating artist(e)s: Dwayne Bohuslav and Mark Blizard

The following Non-refereed works done as a Design Associate at Gould Evans Goodman Associates, Kansas City, Oct 1997 – Aug 1999:

24. Design team member, *Rock n Roll McDonald’s Tower*, Mixed-use high-rise. Invited competition, Chicago, 1999. Responsible for design development and presentation materials.
25. Lead Designer, *Baron BMW Dealership*, Shawnee Mission, Kansas, 1998. Responsible for design development. Area: 48,000 sft. Project Cost: \$4,500,000
26. Lead Designer, *Ecological Skyscraper Studies for Kansas City Power and Light Corporation*, Kansas City, 1998. Concept and design development. Floor area: 900,000 sft.
27. Lead Designer, *Blue Valley Library* direct solar radiation reduction and heat gain control systems design, Kansas City, 1998
28. Lead Designer, *Energy Efficient Headquarters, Missouri State Ballet*, Kansas City, 1998. Concept and design development. Floor area: 55,000 sft.
29. Lead Designer, *AMC Theaters Pavilion*, ICSC (International Convention of Shopping Complexes) Convention, Las Vegas, 1998. Won the design competition. Floor area: 4,000 sft. Project Cost: \$100,000

30. Design team member, *Town Pavilion Sky-Link Development*, Kansas City Downtown, 1998. Responsible for design development and presentation materials. Project costs not available.
31. Design team member, *Harris Engineering Office Building*, Overland Park, KS, 1998, office building for a structural consultant. Responsible for design development. Floor Area: 12,000 sft. Project Cost: \$2,400,000
32. Design team member, *Riverfront Urban Development Proposal*, Kansas City, 1997. Responsible for data collection, design development and presentation materials including digital animation.

The following non-refereed works done as a designer at Griskelis + Smith Architects, Ltd., Chicago, IL March 1994-Aug 1995:

33. Design team member, *Northwestern University Dyche Stadium Renovation*, Evanston, IL
34. Design team member, *Northwestern University WNUR Studio*, Evanston, IL
35. Design team member, *Citibank Branch Office*, Winnetka, IL

The following work was done as a design assistant at Madlen Simon, Architect, Manhattan, KS, summer 1993:

36. *Kohn Residence*, Princeton, NJ. Prepared construction drawings

The following work was done as an Intern Architect, R.B. Raju Associates, Hyderabad, India. Apr 1990-Sept 1990

37. *Ecologically Responsive Residential School Complex*, Kurnool, India, 1990. Solely responsible for design development and construction drawings.

F. Honors, Awards, Recognition & Election to Scholarly/Professional Organizations

1. ***ACSA Distinguished Professor Award and Title***, Association of Collegiate Schools of Architecture, 2011-12
2. ***Keynote Speaker***, Sociedad Iberoamericana Grafica Digital (SIGRADI) 2010 conference, Bogota, Colombia, November 18, 2010.
3. ***President's Distinguished Achievement Award for Performance and Creative Production***, University of Texas at San Antonio, May 2007.
4. ***IAA Outstanding Achievement Award*** for Advanced Fabrics Exhibition Structure, Industrial Fabrics Association International, October 2007.
5. ***Elected President***, Association for Computer Aided Design in Architecture (ACADIA) 2007-2008.
6. ***Opening Keynote Speaker, Banaras: The Crescent and the Labyrinth, National Meeting of Association of Scientists of Indian Origin***, January 13 - 15, 2007, Denton, TX. ASIO is an influential group of leading scientists, many of whom serve in NIH, NSF, and other organizations.
7. ***Recognized for services*** to industrial fabrics community at the IFAI convention in San Antonio. Acknowledged at a special banquet, October 29, 2005, San Antonio.
8. ***Elected Steering Committee Member***, ACADIA 2003-2005.
9. ***Elected Alternate Steering Committee Member***, ACADIA 2002-2003.
10. ***Presidential Research Award Nomination***, UTSA, Nominated from the School of Architecture, 2002-3
11. ***Best Paper Award***, SIGRADI International Conference, Rosario, Argentina, November 2003 (From 135 published papers)

12. **American Institute of Architects (AIA) Kansas City Merit Award**, Baron BMW Dealership building, 2001 (for Gould Evans Goodman Assoc.)
13. **Chief Guest**, Rotary Club, District #3150, Hyderabad Mid-town, Hyderabad, India, August 2003
14. **\$1000 faculty award** for supervising the second prize-winning student entry by Natalia Beard, ACSA-American Institute of Steel Construction student design competition, 2003
15. **Chief Guest**, Indian Institute of Engineers, Hyderabad Chapter, India, 2003
16. **Mejor Presentacion (Best Presentation) Award**, Sociedad Iberoamericana de Gráfica Digital (SIGRADI) International Conference, Concepcion, Chile, 2001 (From 95 presentations)
17. **Chief Guest**, Felicitated as outstanding Young Person of the Year, Jaycees' week, Gudivada, India 1997
18. **Chief Guest**, Indian Institute of Engineers, Vijayawada Chapter, India 1997
19. **Chief Guest**, Rotary International Club, Vijayawada, India 1996
20. **John F. Helm Award** for a graduate student of outstanding promise in the field of architecture, Department of Architecture, Kansas State University. 1994
21. **Outstanding Graduate Thesis of the Year Award (Design Theory)** Department of Architecture, Kansas State University, 1993-94
22. **AP Riding Club Gold Medal** for Academic Excellence, B.Arch. program, Jawaharlal Nehru Technological University, 1990
23. **Chief Editor School Journal**, The Monitor Jawaharlal Nehru Technological University, Hyderabad, India, 1988-89
24. **D.Y. Patil National Trophy**, First Prize for excellence in architectural criticism, National Architectural Student Convention, Calcutta, India, 1989
25. **Reubens National Trophy**, Third prize for excellence in design, National Architectural Student Convention, Calcutta, India, 1989
26. **G-Sen National Trophy**, Special citation for low-cost housing development, National Architectural Student Convention, Madras, India, 1987
27. **Editor**, College Journal, SRR College, Vijayawada, India 1984. Selected as editor through a college-wide essay writing competition

G. Grants, In-Kind Donations and Sponsorships

External Funding:

1. National Science Foundation grant, \$49,000, "Research in Materials and Manufacturing for Extreme Affordability." 2010-12
2. Emerging Media Initiative grant, \$10,000, "Personal Residential Automation Networking Kit." 2010-11
3. Industrial Fabrics Foundation, \$2000 seed grant, "Light-emitting and Energy-generating Fabric Structures", 2007
4. Spaw Glass Contractors, \$12,500 for Lighting Study Laboratory and equipment.
5. SpawGlass Contractors, \$1800 donation toward PEACE: A Smart Conference Room design-build project.
6. SDS/2 Steel detailing software educational grant, \$540,000, 2006
7. Hiraoka & Co. Ltd., Japan, \$10,000 value donation, PVC coated polyester tensile membrane, 2005

8. Verseidag, The Netherlands, \$15,000 value donation, PVC coated polyester tensile membrane, 2005
9. Ronstan, USA, \$5,000 value donation, Stainless steel tension rigging systems (cables, fittings and other hardware), 2005
10. W. L. Gore & Associates, USA, \$20,000 value donation, PTFE tensile membrane, 2005
11. Hendee Enterprises, USA, \$3,000 value donation, Aluminum masts and fabrication, 2005
12. Meliar Design, UK, makers of MPanel tensile membrane design software, unknown amount of software donation, 2005
13. CATIA educational software grant, \$600,000 value, IBM-Dassault, 2000-2001
14. Bentley Systems, Inc. software grant, \$45,000 value, to conduct research on "Digital Technology Integration in Architectural Curricula," 1996 (Before joining UTSA)

Institutional Funding:

15. Ball State University Emerging Media Grant, \$10,000, for "Personal Residential Automation Networking Kit (PRANK)," 2010-11
16. UTSA Faculty Research Award, \$4450 for "Light Emitting and Energy Generating Fabric Structures," 2007
17. UTSA Faculty Research Award, \$5000 for "Integration of Tensile Membrane Roof Structures into Smart Building Systems," 2005
18. COLFA Dean's Circle Grant, \$1200, for "CATIA in Architectural Design Process," 2000.

Institutional Travel Funding:

19. UTSA College of Architecture Travel Grant, \$1000, 2006-7
20. UTSA College of Architecture Travel Grant, \$1000, 2005-6
21. UTSA School of Architecture Travel Grant, \$1200, 2002-3
22. UTSA School of Architecture Travel Grant, \$900, 2001-2
23. UTSA International Travel Grant, \$1200, 2001
24. UTSA College of Liberal and Fine Arts (COLFA) Research Travel Grant, \$600, 2000-1
25. Research Travel Grant, \$660, Fall 2000
26. UTSA International Travel Grant, \$800, 1999
27. Research Travel Grant, \$550, 1999

Other Funding

28. Texas Masonry Society educational grant, \$926 to attend University Professors Masonry Workshop, Raleigh, North Carolina, March 2004.
29. Professional Development Grant, Gould Evans Goodman Associates, \$1000, 1998

H. Invited Lectures at Other Institutes and Organizations

1. **Lecture series speaker**, *Memos from An Inconvenient Studio*, University of South Florida, Tampa, October 3, 2011
2. **Keynote Speaker**, Sociedad Iberoamericana Grafica Digital (SIGRADI) 2010 conference, Bogota, Colombia, November 18, 2010.
3. **Plenary Speaker**, *Global Competitive Edge through Strategic Academic Partnerships and Research*, **Professional Awning Manufacturers Association workshop and Southwest Industrial Fabrics Association Convention**, San Antonio, TX, April 13, 2007
4. **Plenary Speaker**, *Banaras: The Crescent and the Labyrinth*, **National Meeting of**

5. **Association of Scientists of Indian Origin**, January 13 - 15, 2007, Denton, TX
6. Invited Speaker, Challenges in the Integration of Technology into Smart Architecture, **Department of Computer Science, UT Arlington**, February 9, 2007
7. Invited Speaker, UTenSAils, **College of Architecture, Texas A&M University**, January 26, 2007
8. *From Classroom to Consultancy*, at **Udhbhava: A Forum for Architects**, Educators and Designers, Bangalore, India, July 22, 2006
9. *Changing Face of Architectural Education*, **JN Technological University**, Hyderabad, India, July 13, 2006
10. *Adventures in Designing and Building Tensile Fabric Structures*, plenary speech, **Fabric Architecture 2005 conference**, San Antonio, October 26, 2005.
11. *Current Work*, Department of Architecture, **Carnegie Mellon University**, February 2003
12. *Creative Living in the Global Village*, **Indian Institution of Engineers**, Hyderabad, India, January 2003
13. *Emerging Trends in CAAD*, **American Institute of Architects**, New York State Convention, Buffalo, NY, October 2002
14. *Current Work*, College of Architecture, **Texas A&M University**, April 26, 2002
15. *Current Work*, School of Architecture, **University of New Mexico**, April 8, 2002
16. *Architecture, Speed and Relativity*, School of Architecture, **Center for Environmental Planning and Technology**, Ahmedabad, India, June 2000
17. *Digital Design Integration in Architecture*, **Florida A&M University**, Tallahassee, April 1999
18. *Digital Design Integration in Architecture*, **Temple University**, Philadelphia, March 1999
19. *Sustainable Architecture in the Age of Virtual Reality*, **Roger Williams University**, Bristol, Rhode Island, May 1998
20. *Digital Design Integration in Architecture*, **Georgia Institute of Technology**, Atlanta, Georgia, May 1997
21. *Digital Design Integration in Architecture*, **Ohio State University**, Columbus, Ohio, April 1997
22. *Digital Design Integration in Architecture*, **Hammons School of Architecture, Drury College**, Springfield, Missouri, February 1997
23. *Technology and Mythology*, **Indian Institution of Engineers**, Vijayawada City, India
24. *The Meaning of Technology*, **Siddhartha Engineering College**, Vijayawada City, India
25. *The Metaphysics of Space*, **Jawaharlal Nehru Technological University**, Hyderabad, India
26. *Technology and Cultural Progress*, **JayCeess**, Gudivada, India
27. *Techno-economic progress, and urbanism in post-capitalistic India*, **Rotary International**, Vijayawada City, India
28. *New questions for architecture in the age of Virtual Reality*, **Jawaharlal Nehru Technological University**, Hyderabad, India
29. *Cyberspace and the emerging architecture of a non-Euclidean space*, **Center for Architectural Awareness**, Bhopal, India

I. Professional Service

Service to Professional Organizations

1. Past President, Association for Computer-aided Design in Architecture, 2007-09, and Vice President, 2009-11.

2. Editorial Board member, International Journal of Architectural Computing, 2010-11
3. Advisory Board member, International Digital Media and Arts Association (iDMAa), 2010-11
4. Chair of Session, "Architectural Curricula for the Flat World", ACSA Annual Meeting, Houston, 2008
5. Session Chair, "Sensory Frontiers," ACADIA 2007 conference, Halifax, Canada.
6. Elected President, Association for Computer-aided Design in Architecture, 2007-8
7. Outreach Officer, Association for Computer-aided Design in Architecture, 2005-6
8. Editor-in-Chief (2002-3) and Managing Editor (2001-2), Dotarchitect Refereed Online Journal, ISSN# 1542 0736
9. External Reviewer, online course *Information Design*, Department of Art and Design, University of Wisconsin at Stout, June 2004.
10. Peer Reviewer, ACSA 2004 Annual Meeting, Miami, FL.
11. First Phase Jury Member, *Possible Futures e_competition* Biennale Miami 2003. Conducted by Florida International University, Miami, AIA Miami Chapter, and Federacion Panamericana de Arquitectos.
12. Scientific Committee, SIGRADI 2003 International Conference, Rosario, Argentina.
13. Paper Reviewer, ACADIA 2003 International Conference, Indianapolis, IN.
14. Co-moderator, Digital Theory session, ACADIA International Conference, Indianapolis, Indiana, October 2003.
15. Moderator, *Digital Discourse* Panel, ACADIA International Conference, Muncie, Indiana, October 2003.
16. Jury Member, *ACADIA International Digital Design Exhibition*, Pomona, October 2002. Other jurors: Hani Rashid (Asymptote), Chris Sharples (SHoP Architects), Karl S. Chu, Sulan Kolatan (Kolatan McDonald Architects), Giuseppe Lignano and Ada Tolla (Lo/Tec).
17. Technical Committee, ACADIA 2002 International Conference, Pomona, CA.
18. "Event Diagramming in Conceptual Design," an invited workshop conducted at the SV School of Architecture, Hyderabad, India, December 2002.
19. *Emerging Trends in Digital Design*, an invited seminar conducted at the New York State American Institute of Architects Annual Convention (AIA NYS), Buffalo, NY, 2002.
20. *Architecture of Digital Design*, Panel Discussion and live webcast, ACADIA International Conference, Pomona, California, 2002.
21. Scientific Committee, ACSA 2002 Annual Meeting, New Orleans, LA.
22. Scientific Committee, ACADIA 2001 International Conference, Buffalo, NY.
23. Visiting Critic, Junior Studio of Professor Dwayne Bohuslav, University of Houston, spring 2001.
24. "Bracken Bat Cave Conservation Design Charrette," Overland Partners, Architects, San Antonio, Spring 2001. Led a team of students and participated as an expert on sustainable design.
25. Technical Content Reviewer, ACADIA 2000 International Conference, Washington, D.C.
26. Technical Review Committee, ACADIA 1999 International Conference, Snow Bird, UT.
27. Studio Critic, Kansas City Academic Program Urban Design Studio of Prof. Bruce Johnson, Kansas City, Fall 1997- Spring 1998.
28. Invited Panelist, *Visionaries in Exile*, Austrian Cultural Institute, New York, Architektur Zentrum, Vienna, and Kansas State University, Manhattan, Kansas, May 1997.
29. Juror, International Design Competition, *The Williamsburg Courthouse Competition*, University of Miami, December 1995.

Service to Nation, State, and Local Community

30. Member, Noontime “Garfield” Rotary Club of Muncie, 2010-Present.
31. *South Texas Design Charrette*, led a team of students and faculty members to Cotulla, TX, and conducted a two-day long urban design charrette that involved extensive community participation and concrete design and policy proposals, spring 2000.

Administrative Service

College/School-level Committees:

32. Chair, Strategic Planning Taskforce, College of Architecture, 2007
33. Member, Faculty Search Committee, Department of Architecture, 2006-7
34. Member, College Executive Council, 2005-
35. Member, College Technology Committee, College of Liberal and Fine Arts, UTSA, 2001-3
36. Member, School of Architecture Graduate Studies Committee, UTSA, 2002-
37. Member, Curriculum Development Committee, School of Architecture, UTSA, 2001-5
38. Member, College Academic Policy Committee, College of Liberal and Fine Arts, UTSA, 2001-3
39. Member, School Faculty Advisory Committee, School of Architecture, UTSA, 2001-5
40. Member, School Speakers’ Series Committee, Division of Architecture and Interior Design, UTSA, 1999-2001
41. Chair, Digital Technology Committee, School of Architecture, UTSA, 1999-
42. Chair, Sustainable Design Initiative, Gould Evans Goodman Assoc. 1998-99
43. Trainer and Coordinator, form*Z Digital Design Workshops, Gould Evans Goodman Associates, Kansas City, April 1998
44. Chair, Digital Design Initiative, Gould Evans Goodman Assoc., 1998
45. Chair, Digital Technology Integration Taskforce, Kansas State University, 1995-96
46. Graduate Thesis Committee Member, College of Architecture, Planning and Design, Kansas State University, 1997
47. Member, College Computing Committee, College of Architecture, Planning and Design, Kansas State University, 1995-97
48. Member, Departmental Curriculum Development Committee, Department of Architecture, Kansas State University, 1995-97
49. Member, College Multimedia Committee, College of Architecture, Planning and Design, Kansas State University, 1995-96
50. Advisor, Fifth-year Design Studio (Kansas City Film Institute), College of Architecture, Planning and Design, Kansas State University, 1996-97

University-level Committees:

51. Chair, Ball State University Research Centers and Institutes Policy and Procedure Development Taskforce, 2008-9. Developed the first ever comprehensive design of knowledge creation unit policy and procedures at Ball State University, which streamlined and systematized research activities through “knowledge creation units” on campus.
52. Member, University Enrollment Management Committee, 2007
53. Member, UTSA Blue Ribbon Committee for globalization, leadership and diversity, 2007
54. Member, University Learning Outcomes Assessment Steering Committee, 2007

I . Professional Service

55. Member, UTSA Downtown Strategic Planning Committee, 2007
56. Member, UTSA Downtown Food Services Committee, 2007
57. Member, GIVAC (Geospatial Information Visualization and Analysis Center), 2006-
58. Member, Principal Writer, Research Strategic Planning (Thematic Panel) Committee, 2006-7
59. Member, UTSA IT Research Advisory Committee, UTSA 2003-5
60. Member, University Faculty Research Awards Committee, UTSA 2002-5
61. Member, University Scholarship Committee, UTSA 2002-4
62. Member, University Grievance Committee, UTSA, 2003-
63. Member, University Public Service and Outreach Committee, UTSA, 2001-3