

mahesh senagala, assoc aia, mca, leed ap

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Bio and Curriculum Vitae

Mahesh Senagala is a tenured Associate Professor and the **Associate Dean for Academic Affairs and Research** in the College of Architecture, University of Texas at San Antonio. His research interests include smart and sustainable environments, fabric structures, digital fabrication, complex systems, and academic management. He is the recipient of the **President's Award for Distinguished Achievement for Creative Production** at UTSA in 2007 and the **2007 IFAI Outstanding Achievement Award**. He has been elected **2007-8 President of Association for Computer Aided Design in Architecture**, an international professional organization. In addition to the Master of Architecture from *Kansas State University with John F. Helm Award*, he holds the **General Management Executive Certificate from UT Austin McComb's School of Business**. As a recipient of a joint partial fellowship from *Harvard Business School and Harvard Kennedy School of Government* in 2007, he has attended the **Nonprofit Management executive education program (PMNO)** at Harvard University. Professor Senagala was the **1990 A.P. Riding Club Gold Medalist** from School of Planning and Architecture, JNTU Hyderabad.

He is the author of over **65** research and creative works, including **48 refereed works** in the last eight years. He has won **Best Publication and Best Presentation awards** at various international conferences. He has delivered over **two-dozen invited lectures** and an equal number of technical presentations world-wide. He has raised **grants, gifts, in-kind donations, and sponsorships worth more than \$645,000** for the college and **\$650,000** for his individual research. He has raised funds worth **\$103,000** for UTSA within four months to build two full-scale, well-published tensile fabric structures, named *UTenSAils*. The project, designed and built by his design-build research studio at UTSA in collaboration with 24 international industry partners, has now been chosen as a **Best Practice by American Institute of Architects**.

Professor Senagala was a **keynote speaker at the Association of Scientists of Indian Origin in America (ASIOA)** conference in Denton, TX in 2007 and at the **Sociedad Iberoamericana de Gráfica Digital (SIGRADI)** international conference in Rosario, Argentina in 2003.

Prior to joining UTSA, he was a designer with the Kansas City firm *Gould Evans Goodman Associates*, where he played a key role in winning the **2001 AIA Kansas City Merit Award for the design of Baron BMW Auto Dealership**. He has received the **second prize in the U.S. Department of Energy+AIA's Sun Wall national competition**, Washington, D.C. in 2000 from the then Energy Secretary Bill Richardson.

A. Degrees and Certificates

- May 2007 ***Performance Measurement for Effective Management of Nonprofit Organizations***
Harvard Business School and Harvard Kennedy School of Government, Cambridge, MA
Received a competitive partial fellowship (12 out of 200 applicants) to attend the four-day executive education program that focused on Strategic Planning, Mission Alignment, Board Management, Double Bottom Line, Balanced Scorecard System, Logic Model, Impact Evaluation, Fundraising, Financial Stewardship, and Cultivating High Performance Culture to effectively manage nonprofit organizations such as academic institutions.
- Spring 2007 ***General Management Executive Certificate***
McCombs School of Business, University of Texas at Austin
Attended five executive courses (2 core courses and 3 electives) that covered Accounting, Finance, Business Performance Measures, Leading and Forming High Performance Teams, Team Dynamics, Personnel Performance Evaluations, Single, Multi-party, and Package Deal Negotiation for Value-creation, Risk Management through Information and Option-Creation, and Strategic Decision Making using Bayesian Methods and Decision Trees.
- Dec 1999 ***CATIA V.5 Certificate*** (Computer-Assisted Three-dimensional Interactive Application), **IBM-Dassault, Detroit, MI**
One-week training was a part of a \$600,000 software grant program
- 1991-1994 ***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"* (An existential reading of the 4000 year old Indian city. Draws from the works of Jean-Paul Sartre, Rollo May, Albert Camus, and Sigmund Freud).
Advisor: Professor Gary J. Coates, Author of *Resettling America* and *Eric Asmussen*
- 1985-1990 ***Bachelor of Architecture***, Five-year Professional Degree
Jawaharlal Nehru Technological University, Hyderabad, India
- ***A.P. Riding Club Gold Medal for overall academic excellence(valedictorian)***
Thesis: *"A Place for All"* a critical revision of Charles Correa's LIC building New Delhi, India.

<Twice admitted to the ***Doctor of Design*** program at Harvard University GSD (2002 and 2003) but could not attend due to green card process delays at that time>

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 (15)

2007- Present	1. Associate Dean for Academic Affairs and Research
	2. Associate Dean for Research
	College of Architecture (~991 FTE enrollment)
2005-2007	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 a **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. I am currently looking into starting programs in India and China.

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 and currently forming a **multi-national, multi-university consortium** with these industries on a membership basis. I could bring this to your institution.
- 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.

2006-7

3. Coordinator of Senior Design Studios, UTSA

2005-6

4. Coordinator of Junior Studios, UTSA

2004-5

5. Coordinator of Sophomore Studios, UTSA

2005-

Present

6. Tenured Associate Professor

College of Architecture
University of Texas at San Antonio

Student Competitions Won Under my Supervision:

- “Steelhenge,” Honorable Mention Prize by student Josh Pierce, ACSA/AISC (Association of Collegiate Schools of Architecture/American Institute of Steel Construction) design competition, 2004, from 140 entries.
- “Lock Ten,” Second Prize by student Natalia Beard, ACSA/AISC (Association of Collegiate Schools of Architecture/American Institute of Steel Construction) design competition, 2003, from 279 entries.
- “Lock Ten,” Honorable Mention Prize by student Natalia Beard, AutoDesSys form*Z design competition, 2003.
- “World Traveling Studio,” Honorable Mention Prize by student Kirk Bruni, ACSA/AISC (Association of Collegiate Schools of Architecture/American Institute of Steel Construction) design competition, 2002, from 472 entries.
- “A Stitch in Time,” Honorable Mention Prize by students Molly Cundari and Juanita Cedillo, Trieste Waterfront Development International Student Competition, Italy, 2000, from 61 entries.

1999-2005

7. Assistant Professor, Tenure Track

School of Architecture
University of Texas at San Antonio

2001-2003

8. Editor-in-Chief (2002-3) and Managing Editor (2001-2)

Dotarchitect Online Journal, Architecture Research Institute, New York

- Dotarchitect is a critical online refereed journal sponsored by Architecture Research Institute, a New York based think-tank. The journal, after an initial issue, is on hold while funds are being raised.
- Editorial board included Mark Burry (RMIT, Australia), Karl Chu (SCI-ARC), Bernardo Gomez-Pimienta (Ten Arquitectos), Branko Kolarevic (Pennsylvania), Dominique Perrault (France), and Hani Rashid (Asymptote). Thomas Fisher and William Mitchell serve on the

- advisory board.
 - 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
- 9. 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
- 10. Designer and Coordinator of Education Program in Sustainability**
Gould Evans Goodman Associates
Kansas City, Missouri
- Was invited to spearhead the infusion of cutting edge design technologies into the 230 people firm.
 - Had an opportunity to work directly with the principals of the firm as a design lead on projects listed in *H.2*, and to conduct educational initiatives on the topics of sustainable design as well as digital technology.
 - Was the design lead on **Baron BMW** building, built in 2001 and won the **AIA Kansas City Merit award**.
- 8/1995-
7/1997
- 11. Visiting Assistant Professor**
College of Architecture, Planning and Design
Kansas State University
August 1995 - July 1997
- Was invited to lead and coordinate the integration of digital technology and contemporary theory into the professional architectural curriculum.
 - Devised a new lecture course in digital design media to introduce cutting edge design software.
 - Obtained a grant necessary to jumpstart the technology integration
 - Taught a *virtual design studio* with the participation of online critics from around the world.
- 3/1994-
8/1995
- 12. 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. Clients included Citibank, Firstbank and Northwest University.
- Summer
- 13. Community Service Team Member**

- 1992 *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 **14. Design Assistant**
Madeline Simon, Architect
Manhattan, KS
Summer 1993
- Assisted the architect in producing construction documents and project models.

- Summer
1990 **15. Intern Architect**
R.B. Raju Associates
Hyderabad, India
Summer 1990
- Was solely responsible in designing a residential college campus near Hyderabad under the guidance of the principal.

C. Refereed Publications (35)

(Note: Total number of refereed research/creative works is 48. 13 *Refereed Creative Works* are listed separately in section E. Total number of publications and works is 68)

Refereed Book Chapters

1. [In press] "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: TBA
2. "formZ in flatWorld," in Murali Paranandi, ed., Digital Pedagogy, Columbus, OH: AutoDesSys, February 2007. ISBN: TBA
3. "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
4. "Rhizogramming and a Synesthetic Transformation of Designer's Mind," in L. Vellner et al. eds. Dynamics of Architectural Knowledge, Helsinki, Finland, Summer 2005
5. "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.
6. "*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.
7. 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

8. "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.?, December 2006, pp. 33-46.
Quarterly, ISSN 1478 0771
The International Journal of Architectural Computing (IJAC) is a peer-reviewed journal founded by international organizations dedicated to promoting collaborative research and development of computer-aided architectural design. There are four issues of IJAC per year: published in both electronic and hard copies by Editorial Board members from its four founding organizations: eCAADe - Education and Research in Computer Aided Architectural Design in Europe; ACADIA -Association of Computer Aided Design in Architecture; SIGraDi - Sociedad Iberoamericana de Grafica Digital; CAADRIA -Computer Aided Architectural Design Research in Asia.
9. "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.

10. 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
Automation In Construction is an international journal for the refereed publication of original research papers on all aspects pertaining to the use of Information Technologies in Architecture, Engineering, Construction Technologies and Maintenance and Management of Constructed Facilities.
11. "Circuits, Death and Sacred Fiction: The City of Banaras," *Ctheory online journal*, www.ctheory.net, 1999, article #e084.
CTHEORY is an international journal of theory, technology and culture. Articles, interviews, and key book reviews in contemporary discourse are published weekly. Indexed in: International Political Science Abstracts/Documentation politique internationale; Sociological Abstract Inc.; Advance Bibliography of Contents: Political Science and Government; Canadian Periodical Index; Film and Literature Index. Editorial Board includes Jean Baudrillard (Paris), Paul Virilio (Paris), Stelarc (Melbourne).

Refereed Conference Publications

Legend:

- ACADIA: Association for Computer Aided Design in Architecture
 - ACSA: Association of Collegiate Schools of Architecture
 - EAEE: European Association of Architectural Educators
 - ECAADE: Education of Computer Aided Architectural Design in Europe
 - SIGRADI: Sociedad Iberoamericana Grafica Digital
12. With Devin Oatman, "Am I? The Architecture of Ambient Intelligence," ACADIA 2007 Conference, Halifax, Canada.
 13. "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.
 14. "Light Exchange," refereed project and narrative published in the Proceedings of the ACADIA International Conference, Louisville, KY, 2006
 15. 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
 16. "Curvilinear: Pedagogy of Tensile Fabrications," paper published in the Proceedings of the ACADIA International Conference, Louisville, KY, 2006
 17. "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
 18. "Building is a network for living in," paper published in the Proceedings of the ACADIA International Conference, Savannah, GA, 2005
 19. "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)

20. "Deconstructing AutoCAD: Toward a Critical Theory of Software (in) Design," in S. Carmena, ed., *Cultura Digital y Diferenciación*, 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)
21. "Rhizograms: A Synesthetic Approach to Design Process," in *Dynamics of Architectural Knowledge*, Proceedings of the EAAE International Conference, Helsinki, Finland, 2003, pp. not available.
22. "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.
23. "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
24. With Kenneth Masden, "Interrupted Interface: On the Cybernetics of Artistic Process," in K. Koszewski and S. Wrona, eds., *Design E-ducation*, Proceedings of the ECAADE International Conference, Warsaw, Poland, 2002, pp. 168-172. ISBN: 0-954183-0-8. Refereed abstract
25. "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.
26. "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
27. "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
28. "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.
29. "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.
30. "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
31. "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
32. "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.
33. "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.

34. "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.
35. "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 (19)

Conference Proceedings

1. Senagala, Mahesh (2003) "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. Senagala, Mahesh. "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.
3. "Adventures in Designing and Building Tensile Membrane Structures," at Fabric Architecture 2005 conference, San Antonio, October 26, 2005.
4. "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.
5. "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:

6. Senagala, Mahesh. "CAAD: Empowering Architects and Transforming the Industry" in *Indian Architect and Builder*, November 2007.
7. Senagala, Mahesh. "Smart Architecture." Invited article forthcoming in *San Antonio Business Journal*, August 17, 2007.
8. Senagala, Mahesh. "UTenSAils." Invited article in *Texas Architect* magazine, January/February issue, 2007.
9. Senagala, Mahesh. "Adventures in Teaching and Building Tensile Fabric Structures." Invited article published in *Fabric Architecture* magazine, July/August issue, 2006.
10. Senagala, Mahesh. "Tensions in Texas." Invited article published in *Fabric Architecture* magazine, May/June issue, 2005.
11. "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

12. *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.
13. *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.
14. *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.
15. *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.
16. "Lock Ten," by Natalia Beard, student work published in *form*Z Joint Study Report*, international circulation, 2003.
17. "World Traveling Studio," by Kirk Bruni, student work published in *form*Z Joint Study Report*, international circulation, 2002.
18. Assorted student work published in *form*Z Joint Study Report*, international circulation, 2001.
19. 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/20030121/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, Column1
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* news paper, V.100, N. 096, February 19, 1996

E. Creative Works (39)

Refereed Creative Activities and Works (13)

The following freelance works done as a freelance designer / licensed architect (India (#CA/99/25158)) and/or in collaboration with other professionals.

1. Senagala, Mahesh (Design Principal), 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.
2. Senagala, Mahesh (Principal Designer), 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
3. *Thoroughbred Pegasus Plaza*, international design competition, participation, Lexington, KY, 2001
4. 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)
5. "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
6. Senagala, Mahesh and Anujay Vootla, "Millennium Tower," Central Glass Competition, participation, Japan, 1997
7. "Hybrid and Superimposition" Royal Institute of British Architects (RIBA) Design Competition, London, 1992
8. With Anujay Vootla, Balaji Macherla, "Tagore Memorial" Reubens National Design Trophy, won Third Place, Calcutta, 1989
9. With Venugopal Pulipaka and Anujay Vootla, "Charles Correa's LIC Building Critique" First Place, D.Y.Patil National Trophy for Architectural Criticism, Calcutta, 1989

Creative Work Featured in Juried Exhibitions

10. "Light Exchange," juried project and narrative to be published in the Proceedings of the ACADIA International Conference, Louisville, KY, 2006

11. *Thoroughbred Pegasus Plaza*, exhibited at the Digital Media Exhibition, ACADIA 2001, Buffalo, New York, October 11-14, 2001
12. *Solar Sails: An Installation*, exhibited at the American Institute of Architects annual convention, Denver, May 17-19, 2001
13. *Solar Sails: An Installation*, exhibited at the Department of Energy, Washington, D.C., October 13, 2000

Student Work Featured in Juried Exhibitions

14. Honorable Mention prize-winning design work "Steelhenge" by student Josh Pierce, to be exhibited at the ACSA Annual Meeting, Chicago, 2004
15. Second Mention prize-winning design work "Lock Ten" by student Natalia Beard, exhibited at the ACSA Annual Meeting, Lexington, KY, 2003
16. 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

17. Honorable Mention prize-winning design work "Steelhenge" by student Josh Pierce, to be published in the ACSA/AISC design competition booklet with international circulation, 2004, pp. not available. ISBN: Not available.
18. 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
19. 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:

20. Exhibition of studio work at the *Industrial Fabrics Association International convention*, October 25-29, San Antonio
21. "Villa Pushkar," A Guest House based on Jupiter's paths, Gollapudi, India, 2001-
22. "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 work done as internal service (G. 34 School Speakers Series Committee):

23. Graphic Design, Design Lecture Series, William Mitchell lecture, Fall 2001
24. Graphic Design, Design Lecture Series, Gary Wheeler lecture, Spring 2000
25. Graphic Design, Design Lecture Series, Will Bruder lecture, Fall 1999

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

26. Design team member, *Rock n Roll McDonald's Tower*, Mixed-use high-rise. Invited competition, Chicago, 1999. Responsible for design development and presentation materials.

27. Lead Designer, *Baron BMW Dealership*, Shawnee Mission, Kansas, 1998. Responsible for design development. Area: 48,000 sft. Project Cost: \$4,500,000
28. Lead Designer, *Ecological Skyscraper Studies for Kansas City Power and Light Corporation*, Kansas City, 1998. Concept and design development. Floor area: 900,000 sft.
29. Lead Designer, *Blue Valley Library* direct solar radiation reduction and heat gain control systems design, Kansas City, 1998
30. Lead Designer, *Energy Efficient Headquarters, Missouri State Ballet*, Kansas City, 1998. Concept and design development. Floor area: 55,000 sft.
31. 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
32. Design team member, *Town Pavilion Sky-Link Development*, Kansas City Downtown, 1998. Responsible for design development and presentation materials. Project costs not available.
33. Design team member, *Haris 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
34. 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:

35. Design team member, *Northwestern University Dyche Stadium Renovation*, Evanston, IL
36. Design team member, *Northwestern University WNUR Studio*, Evanston, IL
37. 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:

38. *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

39. *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 (24)

1. **IAA Outstanding Achievement Award** for Advanced Fabrics Exhibition Structure, Industrial Fabrics Association International, October 2007.
2. **Elected President**, Association for Computer Aided Design in Architecture (ACADIA) 2007-2008.
3. **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.
4. **Recognized for services** to industrial fabrics community at the IFAI convention in San Antonio. Acknowledged at a special banquet, October 29, 2005, San Antonio.

5. **Elected Steering Committee Member**, ACADIA 2003-2005.
6. **Elected Alternate Steering Committee Member**, ACADIA 2002-2003.
7. **Presidential Research Award Nomination**, UTSA, Nominated from the School of Architecture, 2002-3
8. **Best Paper Award**, SIGRADI International Conference, Rosario, Argentina, November 2003 (From 135 published papers)
9. **American Institute of Architects (AIA) Kansas City Merit Award**, Baron BMW Dealership building, 2001 (for Gould Evans Goodman Assoc.)
10. **Chief Guest**, Rotary Club, District #3150, Hyderabad Mid-town, Hyderabad, India, August 2003
11. **\$1000 faculty award** for supervising the second prize-winning student entry by Natalia Beard, ACSA-American Institute of Steel Construction student design competition, 2003
12. **Chief Guest**, Indian Institute of Engineers, Hyderabad Chapter, India, 2003
13. **Mejor Presentacion (Best Presentation) Award**, Sociedad Iberoamericana de Gráfica Digital (SIGRADI) International Conference, Concepcion, Chile, 2001 (From 95 presentations)
14. **Chief Guest**, Felicitated as outstanding Young Person of the Year, Jaycees' week, Gudivada, India 1997
15. **Chief Guest**, Indian Institute of Engineers, Vijayawada Chapter, India 1997
16. **Chief Guest**, Rotary International Club, Vijayawada, India 1996
17. **John F. Helm Award** for a graduate student of outstanding promise in the field of architecture, Department of Architecture, Kansas State University. 1994
18. **Outstanding Graduate Thesis of the Year Award (Design Theory)** Department of Architecture, Kansas State University, 1993-94
19. **AP Riding Club Gold Medal** for Academic Excellence, B.Arch. program, Jawaharlal Nehru Technological University, 1990
20. **Chief Editor School Journal**, The Monitor Jawaharlal Nehru Technological University, Hyderabad, India, 1988-89
21. **D.Y. Patil National Trophy**, First Prize for excellence in architectural criticism, National Architectural Student Convention, Calcutta, India, 1989
22. **Reubens National Trophy**, Third prize for excellence in design, National Architectural Student Convention, Calcutta, India, 1989
23. **G-Sen National Trophy**, Special citation for low-cost housing development, National Architectural Student Convention, Madras, India, 1987
24. **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 (26)

External Funding:

1. Industrial Fabrics Foundation, \$2000 seed grant, "Light-emitting and Energy-generating Fabric Structures", 2007
2. SpawGlass Contractors, \$12,500 raised for Lighting Study Laboratory and equipment.
3. SpawGlass Contractors, \$1800 donation toward PEACE: A Smart Conference Room design-build project.
4. SDS/2 Steel detailing software educational grant, \$540,000, 2006

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

Institutional Funding:

13. UTSA Faculty Research Award, \$4450 for "Light Emitting and Energy Generating Fabric Structures," 2007
14. UTSA Faculty Research Award, \$5000 for "Integration of Tensile Membrane Roof Structures into Smart Building Systems," 2005
15. COLFA Dean's Circle Grant, \$1200, for "CATIA in Architectural Design Process," 2000.

Institutional Travel Funding:

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

Other Funding

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

H. Invited Lectures at Other Institutes and Organizations

1. **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
2. **Plenary Speaker**, *Banaras: The Crescent and the Labyrinth*, **National Meeting of Association of Scientists of Indian Origin**, January 13 - 15, 2007, Denton, TX
3. Invited Speaker, *Challenges in the Integration of Technology into Smart Architecture*, **Department of Computer Science, UT Arlington**, February 9, 2007
4. Invited Speaker, *UTenSAils*, **College of Architecture, Texas A&M University**, January 26,

2007

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

I. Professional Service

Service to Professional Organizations

1. Chair of Session, "Architectural Curricula for the Flat World", ACSA Annual Meeting, Houston, 2008
2. Session Chair, "Sensory Frontiers," ACADIA 2007 conference, Halifax, Canada.
3. Elected President, Association for Computer-aided Design in Architecture, 2007-8
4. Outreach Officer, Association for Computer-aided Design in Architecture, 2005-6
5. Editor-in-Chief (2002-3) and Managing Editor (2001-2), Dotarchitect Refereed Online Journal, ISSN# 1542 0736

6. External Reviewer, online course *Information Design*, Department of Art and Design, University of Wisconsin at Stout, June 2004.
7. Peer Reviewer, ACSA 2004 Annual Meeting, Miami, FL.
8. First Phase Jury Member, *Possible Futures e_competition* Bienal Miami 2003. Conducted by Florida International University, Miami, AIA Miami Chapter, and Federacion Panamericana de Arquitectos.
9. Scientific Committee, SIGRADI 2003 International Conference, Rosario, Argentina.
10. Paper Reviewer, ACADIA 2003 International Conference, Indianapolis, IN.
11. Co-moderator, Digital Theory session, ACADIA International Conference, Indianapolis, Indiana, October 2003.
12. Moderator, *Digital Discourse* Panel, ACADIA International Conference, Muncie, Indiana, October 2003.
13. 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).
14. Technical Committee, ACADIA 2002 International Conference, Pomona, CA.
15. "Event Diagramming in Conceptual Design," an invited workshop conducted at the SV School of Architecture, Hyderabad, India, December 2002.
16. *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.
17. *Architecture of Digital Design*, Panel Discussion and live webcast, ACADIA International Conference, Pomona, California, 2002.
18. Scientific Committee, ACSA 2002 Annual Meeting, New Orleans, LA.
19. Scientific Committee, ACADIA 2001 International Conference, Buffalo, NY.
20. Visiting Critic, Junior Studio of Professor Dwayne Bohuslav, University of Houston, Spring 2001.
21. "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.
22. Technical Content Reviewer, ACADIA 2000 International Conference, Washington, D.C.
23. Technical Review Committee, ACADIA 1999 International Conference, Snow Bird, UT.
24. Studio Critic, Kansas City Academic Program Urban Design Studio of Prof. Bruce Johnson, Kansas City, Fall 1997- Spring 1998.
25. Invited Panelist, *Visionaries in Exile*, Austrian Cultural Institute, New York, Architektur Zentrum, Vienna, and Kansas State University, Manhattan, Kansas, May 1997.
26. Juror, International Design Competition, *The Williamsburg Courthouse Competition*, University of Miami, December 1995.

Service to Nation, State, and Local Community

27. *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 to University of Texas at San Antonio

University-level Committees:

28. Member, University Enrollment Management Committee, 2007
29. Member, UTSA Blue Ribbon Committee for globalization, leadership and diversity, 2007
30. Member, University Learning Outcomes Assessment Steering Committee, 2007

31. Member, UTSA Downtown Strategic Planning Committee, 2007
32. Member, UTSA Downtown Food Services Committee, 2007
33. Member, GIVAC (Geospatial Information Visualization and Analysis Center), 2006-
34. Member, Principal Writer, Research Strategic Planning (Thematic Panel) Committee, 2006-7
35. Member, UTSA IT Research Advisory Committee, UTSA 2003-5
36. Member, University Faculty Research Awards Committee, UTSA 2002-5
37. Member, University Scholarship Committee, UTSA 2002-4
38. Member, University Grievance Committee, UTSA, 2003-
39. Member, University Public Service and Outreach Committee, UTSA, 2001-3

College/School-level Committees:

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