

SCHOLARLY PUBLICATIONS AND PRESENTATIONS

ARTICLES. Peer reviewed

- 2010 Sharma, A., 2010. *Rethinking greenways design in context of sustainable development: towards landscape synergism*. Fabos, J.G., Ryan, R., Lindhult, M., et al, Proceedings of Fabos Conference on Landscape and Greenways Planning, Budapest, Hungary, 2010 July 8-11 pp 347-364
- 2010 Sharma, A. 2010. *Contemporary practices in sustainable design: appraisal and articulation of emerging trend*. Hernandez, S, Brebbia, C. et al (ed). Eco-architecture, Southampton, Boston: WIT Press pp 119-132
- 2009 Sharma, A., 2009. *Interdisciplinary industrial ecology education: recommendations for an inclusive pedagogical model*. Asia Pacific Journal of Education. Singapore: Routledge publishers, March 2009 Vol 29: 1 pp 75-86
- 2006 Sharma, A., 2006. *Green-switch: reducing the conflict between the industrial and residential interface* Mander U., Brebbia C.A., et al, (ed), The Sustainable City IV – Urban regeneration and sustainability, Southampton, Boston: WIT Press pp 147-154
- 2001 Sharma, A., 2001. *Eco-industrial parks: exploring a landscape planning methodology* Proceedings, 38th International Federation of Landscape Architects World Congress. Singapore, Singapore

ARTICLES. Peer reviewed. Electronic publications

- 2002 Sharma, A and Boon lay, O., 2002. *Integrating Eco-industrial park with the natural ecosystem: exploring the role of landscape connector*. Proceedings, 5th International Conference on Ecobalance, Tsukuba, Japan, CD publication
- 2001 Sharma, A., 2001. *From industrial parks to eco-Industrial parks: Exploring landscape planning possibilities*. Proceedings, 7th European Roundtable on Cleaner Production and Sustainable Development. Lund, Sweden, CD publication

CONFERENCE PRESENTATIONS. Peer reviewed

- 2011 Council of Landscape Educators, Annual meeting, Theme - Urban Nature,
Mar 30- Apr 02 Mar 30- Apr 02, Los Angeles, USA
Synergism as motivation for sustainability oriented landscape urbanism
- 2011 Resilience 2011: Second International Science and Policy Conference,
Mar 11- 16 Mar 11- 16, Arizona, USA
Interdisciplinary design thinking for resilient cities

- 2010
July 8-11 Fabos Conference on Landscape and Greenways Planning, July 8-11, Budapest, Hungary,
Rethinking greenways design in context of sustainable development: towards landscape synergism
- 2009
July 8-10 7th International Conference on Ecosystems and Sustainable Development, July 8-10, Chianciano terme, Italy
Sustainable design in contemporary practice
- 2006
May 26 - 28 3rd International Conference on Design and Nature, Ashurst, New Forest, May 26-28, 2006, Southampton, UK,
Conceptualizing green-switch
- 2001
June 26 - 29 38th International Federation of Landscape Architects World Congress. June 26-29, 2001, Singapore, Singapore
Eco-industrial parks: exploring a landscape planning methodology
- 2001
May 2 - 4 7th European Roundtable on Cleaner Production and Sustainable Development. 2-4th May 2001, Lund, Sweden
From industrial parks to eco-Industrial parks: Exploring landscape planning possibilities
- 2009
Dec 9 -12 International Conference on Communication and Environment. Penang, Malaysia
Proxy presentation by Yilin Shi
Sustainable design: staking claim
- 2002
Nov 6 - 8 5th International Conference on Ecobalance, Tsukuba, Japan
Proxy presentation by Khoo Hsie Yen
Integrating Eco-industrial park with the natural ecosystem: exploring the role of landscape connector
- CONFERENCES. Other contributions**
- 2010
March 22 Contributing Participant
State of the Planet 2010, Live Conference Webcast, Columbia University, New York, USA
The Earth institute of Columbia University with The Economist and Ericsson
Discussion on strategies to bridge the gap between innovative entrepreneurship related to sustainability and implementers
- 2010
April 30 Sub-focus group moderator, Group moderator: Mark Fenton
Conference on Building Healthy Communities and Preventing Obesity, A multi-disciplinary action oriented session, Collaborative of Howard H. Baker Jr. Center for Public Policy , UT Center for Public Health, UT Obesity Research Center, Knoxville Regional Planning, Office
Knox County Public Health, East Tennessee Quality Growth
Bridging communication gap amongst thinkers, planners and doers for action on sound policies

GRANTS. Invite for part contributions as a team member

- 2010 Conservation Stewardship Center, University of Tennessee Organized Research Unit grant,
\$231,000
Principal Investigator: Professor George Dodds
Synergistic urban landscape: stewarding land conservation ethics
Status: In progress
- 2010 Center for Transportation Research and Federal Highway Administration,
E \$ 50 000
Principals: Jerry Everett, Tammy Enix, Tim Ezell, Christopher Cherry, Eugene Fitzhugh
Proposal for Workshop: Greenways design for sustainable development and livable communities
Status: Contract not awarded
- 2009 Institute of Smart Structure, University of Tennessee Organized Research Unit grant, E \$30,000
Principal Investigator: Professor Edgar Stach
Green sheaths: a strategy to design sustainably
Status: Not involved after 100 words abstract submission
- 2007 Royal Melbourne Institute of Technology-RMIT University, Australia,
AUD 11,500
Principals: More Gregory, Maher Andrew, Burrow Andrew, Sharma Archana
Synthetic Environments: sustainable materials
Part outcome: lecture by Sharma

GRANTS. Attempts

- 2010 USA National Institute of Health, built environment improvement grant,
E \$ 200,000
Principal Investigator: Dr. Eugene Fitzhugh, Physical health, Dr. Christopher Cherry, Transportation Engineering, Dr. David Bassett, Obesity research
Greenways for improving walkability and livability in Knoxville subdivisions
Status: Not submitted
- 2009 US Government resource recovery grant, ACSA, USA, \$ 6000
Urban park: Landscape design for economic regeneration
- 2009 Graham Foundation research grant, USA, \$ 20,030
Reading Knoxville: Landscape assessment for planning better cities

GRANTS. For training programs

- 2008 Ready for the World international outreach grant, University of Tennessee, 2008,
\$ 5000
UN Habitat Seminar: Rapid profiling of urban sector for sustainability
Outcome: tool for continuing research and publications

INVITED REFEREEING / REVIEWING / EDITING

- 2010 Fall Invited reviewer. Invited by. Research track Chair, 2011 Council of Educators in Landscape Architecture annual meeting, theme: Urban Nature
- 2010 Fall Invited reviewer. Invited by Professor Daniel Mittleman 42nd Environmental Design Research Association, Annual meeting, theme- Make no little plans,
- 2008 -
continuing Reviewer. Invitee. US Green building council
Journal on green building and architecture
- 2005
Spring Invited reviewer, Invited by Suzie Attiwill, Inside Outside Symposium, School of Architecture and Design, RMIT University, 22-24 April 2005
- 2001
Spring Assistant student editor, Proceedings of the Fifth Conference on Computer Aided Architectural Design Research in Asia, National University of Singapore and CAADRIA, Singapore, 2001

INVITED MODERATOR / PANELIST

- Forthcoming
2011 March Panel Chair
Resilience 2011: Second International Science and Policy Conference,
Mar 11- 16, Arizona, USA
Panelists: Dr Jack Ahern, Dr Sarah Dooling
Pane proposal: Building Urban Resilience Capacity: landscape design, planning and social equity
- 2010
July 22–Aug 2 Workshop chair / Session instructor
Modern Asian Architecture Network Youth- MAANY Conference on reclaiming city for its people, Organized by collaborative of academics, practitioners, planners and policy implementers, Singapore
Session emphasis: Sustainable communities- recognizing, revealing and reinforcing the social, ecological and material loops
- 2010
October 15 Invited panelist
South Quad Regional Conference, Architecture Association of Students
Other panelists: Dr. David Fox, Tricia Stuth, Ken McCown
Session: Landscape as dwelling
Landscape synergism: reviewing works of church, eckbo, rose and kiley
- 2010
June Invited participant/ panelist
Design Science Lab, Collaborative of Global solutions lab and UN, New York
Creative design and problem solving to address UN Millenium development goals
- 2010
March Coordinator and Instructor
Design charrette, Collaborative of UNUM Insurance company and architects, landscape architects and transportation engineers from University of Tennessee
Session participants: Curtsis Stewart, Mike Fowler, Linda Allen, et al
Built environment improvement through landscape planning for safe and context-integrated design

- 2009
September Session moderator
American Society of Landscape Architects Annual Meeting, Beyond sustainability:
regenerating places and people, Chicago, USA
Interweaving ecosystem: restoration and ecological design
Urban agriculture: new models for productive urban landscape
- 2008
Dec 15-19 Sub-focus group moderator, Country team- Uganda, Program manager: Phil
Johnson, Team member: Samuel Mbala, Ministry of Agriculture
UN Habitat administrators : Grimard Alain and Sommers Kirsten
Rapid Urban Sector Profiling for Sustainability

INVITED LECTURES / TALKS

- 2010
September Opening lecture for the STAIR seminar series
Sustainable Technology through Advanced Interdisciplinary Research, an NSF-
funded interdisciplinary PhD and graduate education program at the University of
Tennessee, Knoxville
Design for sustainability: a multi-disciplinary approach
- 2010 July Opening lecture for the workshop
Conference on Reclaiming city for its people, Modern Asian Architecture Network
Youth- MAANY, Singapore, Collaborative of academics, practitioners, planners
and policy implementers
*Of the place, for the people: issues of identity, heritage, memory and the other
(including biodiversity)*
- Interim design orientation lecture
On body and space: site and context
- 2009 Sep UTK College of Architecture and Design undergraduate research lecture series,
Series coordinator: Professor Marleen Davis; complimentary lecture on the topic
by Dr David Fox
Locating: Site as relative center and edge of the context
- 2009 May Invited brown bag seminar
Institute of Sustainable and Secure Environments, University of Tennessee,
Knoxville, USA
Rapid urban profiling technique: Exploring local applications in Knox County
- 2009 March Faculty colloquium
College of Architecture and Design, University of Tennessee, Knoxville, USA
*Sharing Rapid urban profiling technique of UN Habitat: exploring applicability in
Knoxville context*
- 2007 April Guest lecture
Landscape Architecture Program, Singapore Polytechnic, Singapore
*Activating industrial ecology for sustainable and livable communities through
landscape design*

2003
November 2 Invited speaker
Conference 2003 on designing urban and industrial watersheds, Center for
Technology and Environment Harvard University, USA,
Session: Progressing Ecological Design and Engineering: reports from the Field
and Network Meeting
Moderator: Anja Bruell, International Ecological Engineering Society
Other session speakers: Ernst-Jan Martijn and Adriaan Mels, Netherlands, Tina
Olguin, Norway
*Incorporating constructed wetlands within an Eco-Industrial Park: a study in
Singapore context*

2002
March Peer talk
Masters of Environmental Management, NUS, Singapore
Industrial ecosystems, landscape ecology and constraints of urban context

INVITED CRITIC / REVIEWER/ EXAMINER

2010 July 30 Design Critic
AA London workshop, artificial expansions of specific urban conditions and their
new geographies, *Critical review of reading and representation strategies on
urban morphogenesis*
<http://www.aaschool.ac.uk/STUDY/VISITING/singapore.php>

2005 - 2007 Reviewer and examiner
Graduate and postgraduate studies through research and design in landscape
architecture, RMIT University, Australia

GRANTS, FELLOWSHIPS AND AWARDS

FUNDED PROJECTS

- 2010 March UNUM Group, Education and community outreach grant, \$5000
Built environment improvement through landscape design and planning
Outcome: design charrette; poster exhibits in Knoxville and Chattanooga
- 2010 May Scholarly activity and research incentive travel grant, University of Tennessee, \$1000
Rethinking greenways, Conference paper presentation at Budapest, Hungary
Outcome: presentation to peer academic and professional community at Budapest
- 2010 May University of Tennessee research incentive grant, E \$2000
Design Science Lab, UN affiliated design workshop
Outcome: participation in workshop, and presentation to the United Nations, New York Office on design and statutory strategies addressing Millennium development goals
- 2009 Scholarly activity and research incentive competitive grant, University of Tennessee, \$ 5000
Developing landscape design strategies for sustainable cities
Outcome: data collation for sustainable design and greenways publications
- 2009 College of Architecture and Design, Graduate Research Assistant Grant, University of Tennessee grants, Knoxville, USA, \$ 2,500
Documenting open spaces of Knoxville for sustainable design opportunities
Outcome: not used
- 2008 Center for International Education studies abroad grant, University of Tennessee, \$ 1500
Sustainable place-making in economically underprivileged neighborhoods: Feasibility exploration for programs abroad in Mauritius
Outcome: a photo report and an article for Le Mauricien
- 2006 RMIT University Emerging Researcher Grant, Australia, 2006 Round, AUD 10,000
Spatial and ecological explorations towards sustainable urban planning: Developing a database of industrial landscaping in Australia
Outcome: not used

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GRANTS. For training programs

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\$ 5000
UN Habitat Seminar: Rapid profiling of urban sector for sustainability
Outcome: tool for continuing research and publications

FELLOWSHIPS / AWARDS

2010 June Pluralism Summer Fellowship, Harvard University, \$10,000
Influence of ethnic diversity on design of suburban landscapes.
Outcome: shortlisted for second phase funding; second phase was aborted due to funding crunch

2000-2001 Graduate research scholarship for PhD, National University of Singapore, Singapore

2001-2002 Graduate research scholarship for PhD, NUS, Singapore

2002-2003 Graduate research scholarship for PhD, NUS, Singapore

The NUS graduate research scholarship is awarded by the University to outstanding graduates for research leading to a higher degree at the University. The Scholarship is tenable for an initial one, renewable annually subject to the research scholar's satisfactory progress.

1996-1997

GATE scholarship for graduate studies, Government of India, India

1997-1998

Graduate Aptitude Test in Engineering (GATE) is a nation-wide competitive exam administered jointly by the Indian Institute of Science and seven Indian Institutes of Technology on behalf of the National Coordination Board - GATE, Department of Higher Education, Ministry of Human Resource Development, Government of India. Successful candidates receive a monthly scholarship for post-graduate studies. Eligibility percentile cut is normally in the range of 80s. I secured 93 percentile.

CITATIONS / REVIEWS

- 2010 Sep 11 Tennessee Journal
Article on Sharma's STAIR sustainable design lecture
<http://tnjn.com/2010/sep/11/sustainable-design-professor-cl/>
- 2010 Sep 13 News aggregator | Regenerative Design Institute
Sep 13, 2010 ... Dr. *Archana Sharma* challenges a group comprised mostly of engineering students about *sustainable design*: what it means both theoretically ...
www.regenerativedesign.org/aggregator?page=27, retrieved 2011 01 01
- 2010 May 3 Recognition, UTK, QUEST Newsletter
Archana Sharma, assistant professor of architecture, will lead an interdisciplinary design charrette in Chattanooga that will include Curtis Stewart, associate professor of plant sciences, and Christopher Cherry, assistant professor in transportation engineering.
- 2009
May 29 Scholar of the Week, UTK, QUEST Newsletter
Interdisciplinary industrial ecology education: recommendations for an inclusive pedagogical model in the March 2009 issue of *Asia Pacific Journal of Education*
- 2009
Mar 18 Recognitions, UTK, QUEST Newsletter
Archana Sharma, assistant professor in the College of Architecture and Design, was invited to participate in the capacity building seminar on "Rapid Urban Sector Profiling for Sustainability" organized by the UN Habitat in Nairobi. Her participation was supported by a \$5,000 competitive grant by UT's Ready for the World initiative.
- 2003
Conference presentation
Khoo Hsien H. and Tan Reginald B.H., LCA of Industrial Wastewater: Singapore Case Study, 231st American Institute of Chemical Engineers Annual meeting, Industrial Ecology and Life Cycle Assessment Applications in Chemical Manufacturing, San Francisco, November 16-21 2003
PhD dissertation in progress, Archana Sharma, Investigating "eco" within the eco-industrial parks
- 2003
Conference review
Udo de Haes H.A., Student Chapter Notes, International Society for Industrial Ecology- News Vol 3, Issue 3, October 2003
Conference presentation, Archana Sharma, 7th European Roundtable on Cleaner Production and Sustainable Development. 2-4th May 2001, Lund, Sweden, "From industrial parks to eco-Industrial parks: exploring landscape planning possibilities"

COMMUNICATION. Exhibits

- August 2010 *Synergistic landscape: Urban landscape for sustainable development*, College of Architecture and Design
- July-Dec 2009 *Urban Park @ West Town Mall*, First friday exhibit, UTK and East Tennessee Design Center
- July 2009 *Urban park*, work exhibited with LA design students work, organized by Professor Sam Rogers, College of Agricultural sciences and natural resources
- 2009 *Designing urban park as productive landscape for Symbiotic InHabitation*
Exhibition of Undergraduate Research and Creative Achievement – EURECA, University of Tennessee, USA

COMMUNICATION. Multimedia Blogs

Sustainability issues: Comprehending Sustainable Design
<http://comprehendingsustainabledesign.blogspot.com/>

Sustainable design and architecture critique: Writing Design, Editing Spaces
<http://designsubtext.wordpress.com/>

Academic communication
<http://www.arch.utk.edu/directory/land.shtml>
<http://www.linkedin.com/in/sustainabledesignconsultant>
<http://utk.academia.edu/ArchanaSharma>

	SERVICE. Institutional
2009-2010	<p>COMMITTEES</p> <p>College curriculum committee</p> <p>MLA Chair search committee</p> <p>Ad hoc LAAB accreditation support committee</p>
2010 SPRING	<p>INVITED DISCUSSIONS AND REVIEW. Landscape urbanism, Urban design <i>Critiquing popular perception of landscape urbanism and reviewing contemporary theory</i></p> <p>INVITED LECTURE. Interior design <i>Referencing and incorporating landscape in interior spaces: Visual frames, formal, materials, textural transition, creative spatial/ formal organization</i></p> <p>GRADUATE STUDENT MENTORING</p> <p>2010 Spring. Valerie Friedman for Summer internship, Pluralism project with Harvard University.</p> <p>2010 Spring. Interdisciplinary graduate students' team from architecture, landscape architecture, civil engineering and plant sciences for UNUM design charrette.</p> <p>2010 spring. Mentored UT zero Landscape architecture elective class for solar decathlon charrette</p> <p>2009 Fall. Tyler Thayer, undergraduate student for Eureka competition</p> <p>2009 Fall. Yilin Shi for ICCE Malaysia conference presentation</p> <p>2009 and 2008 Fall. About 30 graduate Architecture students for framing graduate theses structure</p>
	SERVICE. Disciplinary
2010 Summer	<p>Workshop critic</p> <p>AA London workshop, artificial expansions of specific urban conditions and their new geographies, The workshop will investigate instrumental forms of urban density – 'Designed Geographies' – and develop alternative ways of observing and reading the city to generate strategic frameworks for its evolution. http://www.aaschool.ac.uk/STUDY/VISITING/singapore.php</p>
2009 Fall	<p>Curricula support.</p> <p>Papers on interdisciplinary pedagogy requested by senior academics</p> <p>Design studio and research collaboration.</p> <p>Papers and syllabus on sustainable design, urban landscapes requested by academic peers</p>
2005 – 2007	<p>Design critic</p> <p>Undergraduate landscape architecture and interdisciplinary design studios, RMIT University, Australia</p>

SERVICE. Professional. Design consultancy

- 2007 - ongoing SUSTAINABLE DESIGN CONSULTANCY as community service offered through academic design studios as collaborative with students
- Ecologically sensitive landscape design solutions for residential, industrial, and, urban design
 - Stakeholders and projects:
 - Legacy Park Foundation. Urban wilderness and biodiversity corridor, conservation easement, Knoxville, TN
 - Knoxville Habitat for Humanity. Urban gardens for underprivileged community, Mechanicsville, Knoxville, TN
 - Simon Group. Park out of car-Park at West town mall, Knoxville, TN
 - United Group. Built environment improvement, Chattanooga, TN
 - Port Philip Ecocenter. Westgate Park, brownfield site, Melbourne, Australia
- 2001 - 2002 Design and research assistance to Dr. Ong Boon Lay and Damien Mugavin
Project: Sustainable urban redevelopment strategies of Potong Pasir: roof gardens, vertical landscapes and green corridors, Singapore
- 1996 - 1999 Sustainable landscape and architectural design with an emphasis on locally sourced materials, vegetation, labor and alternative energy resource, Vadodara, India
Projects: small gardens and residential extensions

PROFESSIONAL AFFILIATIONS

Council of Educators in Landscape Architecture
American Society of Landscape Architects
International institute of Environmental Ethics
International Society of Industrial Ecologists
Professional Education Organization International

REFERENCES

Colleagues and Mentors

Dr. George Dodd, ACSA Distinguished Professor, UTK, USA
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