

George Elvin, PhD

Curriculum Vitae

Employment

- 2018-present Associate Professor, School of Architecture, North Carolina State University, Raleigh, NC
- 2005-2018 Associate Professor, Department of Architecture, Ball State University, Muncie, IN
- 2006-present Owner, Gone Studio, Indianapolis, IN
- 1999-2005 Assistant Professor, School of Architecture, University of Illinois at Urbana-Champaign, Champaign, IL
- 1998-1999 Instructor, Department of Architecture, University of California, Berkeley
- 1981-1999 Principal, Providence Builders, Washington, DC

Education

- 1998 University of California at Berkeley, Ph.D. Architecture
- 1995 University of California at Berkeley, M.A. Architecture
- 1991 University of Maryland, College Park, B.S. Architecture

Books and Book Chapters

- 2018 Co-editor, *Improving Sustainability Concepts in Developing Countries*, in *Advances in Science, Technology & Innovation*, Zurich: Springer, in press
- Nanotechnology in Architecture*, in *Nanotechnology for Energy Sustainability*, Yashwant Mahajan ed., New York: John Wiley & Sons
- 2015 *Post-Petroleum Design*, London: Routledge
- 2012 Contributing author, P. Petricone, *Concrete Ideas: Materials to Shape a City*, Buenos Aires, Oscar Riera Ojeda Publishers
- 2007-2011 Editor-in-Chief, *Research for Practice: The American Institute of Architects Report on University Research*
- 2009 *Integrated vs. Traditional Practice*, chapter section, in *The Architecture Student's Handbook of Professional Practice*, New York: AIA/John Wiley & Sons
- 2007 *Integrated Practice in Architecture: Mastering Design-Build, Fast-Track and Building Information Modeling*, New York: AIA/John Wiley & Sons
- 2004 *Reconfigurable Systems*, in *Good Deeds, Good Design*, Bryan Bell, ed., Princeton Architectural Press, pp. 31-36

2003 *Design-Build Education*, with William Carpenter, in *The Architect's Guide to Design-Build Services*, AIA/John Wiley & Sons, pp. 373-386

Publications

2018 *Outside: Extreme Environments and Creative Resistance*, in Proceedings of the Association of Collegiate Schools of Architecture 106th Annual Meeting: The Ethical Imperative, March 17, Denver

2011 *Principles of Integrated Practice in Architecture*, *Journal of Architectural and Planning Research*, Volume 27, Number 4, pp. 287-300

2008 *Nanotechnology: Killing Germs on the Frontline*, *Door and Hardware*, February 2008, <http://www.accessmylibrary.com/article-1G1-175075195/nanotechnology-fighting-germs-frontline.html>

2007 *Nanotechnology: New Architectural Materials for a Green Future*, 2A: Art + Architecture, Number 6, Autumn 2007, pp. 78-81, <http://www.2amagazine.com/default.aspx?categoryID=0&name=issue6&lang=en>
The Nano Revolution, *Architect*, May 2007, pp.93-96

2006 *Risks in Architectural Applications of Nanotechnology*, nanoRISK, 2006/3

Will Nanotechnology Lead Green Revolution? www.lime.com, August 11, http://www.lime.com/technology/story/3993/op-ed_will_nanotechnology_lead_green_technology_revolution

The New Era of Nanosensors, *Nano & Society*, Sep. 2006, http://www.nano-and-society.org/commentaries/commentary_elvin.html

Bacteria Powered Batteries, www.lime.com, September 15, http://www.lime.com/technology/story/4429/bacteria-powered_batteries

Farmland Fillup: Understanding the Biofuel Boom, www.lime.com, October 5, http://www.lime.com/technology/story/5026/farmland_fillup_understanding_the_biofuel_boom

2005 *Nanotechnology and Design*, 2nd International Symposium on Nanotechnology and Construction, November 13-16, Bilbao, Spain, <http://www.rilem.net/fiche.php?cat=conference&reference=pro045-039>

2004 *Integrating Design and Construction with Wearable Computers*, *International Journal of Architectural Computing*, Issue 2, Volume 2, June 2004, pp. 178-187

2003 *Collaborative Design Processes: An Active and Reflective Learning Course in Multidisciplinary Collaboration*, O'Brien, W.J., Soibelman, L., and Elvin, G., *Journal of Construction Education*, Summer 2003, pp. 78-93

Presentations

2018 *Outside: Extreme Environments and Creative Resistance*, Association of Collegiate Schools of Architecture 106th Annual Meeting, March 14-17, Denver

Future Housing: Advanced Materials and Systems through Nanotechnology, Forum for Multifamily Housing Principals, April 19-22, La Jolla, California

Post-Petroleum Building Materials, Forum for Regional Principals, May 17 -20, Palm Beach, Florida

2018 Ocean Literacy Summit, November 15-16, Boston

Future Housing: Advanced Materials and Systems through Nanotechnology, Forum for Custom Home Architects, October 11-14, Palm Beach, Florida

2017 *Walkabout and Talkabout: Indigenous Ontologies and Majority Discourse in Extreme Environments*, University of Edinburgh Symposium on Ecology, Economy, and Cultures of Resistance, June 29-30, Edinburgh, UK

Immersive Learning in Remote Environments, Association of Collegiate Schools of Architecture Fall Conference, October 12-14, Marfa, Texas

2016 *Post-Petroleum Design*, Association of Collegiate Schools of Architecture Fall Conference, September 22-24, Honolulu

Ten Years of Nanotechnology in Architecture, Cleantech 2016 Conference, May 22-26, Washington, DC

2015 *Post-Petroleum Design: Practices and Principles*, Architectural Research Centers Consortium Conference, April 8, Chicago

2014 *Post-Petroleum Building Materials*, Technology Summit, American Institute of Architects, Indiana Chapter, November 19, Indianapolis

2013 *Post-Petroleum Design*, Construction Specifications Institute, Nashville Chapter, March 19, Nashville

2012 *Nanotechnology and Interior Design: Breakthroughs and Precautions*, Hotel Interior Design - The Decision Makers' Forum, May 11, Split, Croatia

2011 *Nanotechnology in Architecture: New Risks and Rewards*, Buildgreen Argentina, October 25, Buenos Aires, Argentina

Nanotechnology for Green Architecture, Arc-Latin America, June 24, San Jose, Costa Rica

Nanotechnology in Architecture: New Risks and Rewards, Arc-US, November 18, Boca Raton, Florida

Nanotechnology for Smart Sustainable Buildings, Humanscale Design Smart Seminar, March 31, Washington, DC

Nanotechnology for Smart Sustainable Buildings, Humanscale Design Smart Seminar, April 22, Los Angeles

Nanotechnology for Interior Design, Hospitality Design Expo, May 19, Las Vegas

2010 *Nanotechnology and Interior Design: A Revolution in Materials*, International Forum for Architecture and Construction, March 9, Sao Paulo, Brazil

- Nanotechnology for Smart Sustainable Buildings*, Humanscale Design Smart Seminar, February 4, New York
- Nanotechnology for Smart Sustainable Buildings*, Humanscale Design Smart Seminar, March 23, Boston
- Nanotechnology for Smart Sustainable Buildings*, Humanscale Design Smart Seminar, April 25, San Diego
- Nanotechnology for Smart Sustainable Buildings*, Humanscale Design Smart Seminar, August 24, Atlanta
- Nanotechnology for Green Architecture*, Arc-Middle East, November 1, Limassol, Cyprus
- 2009 *Nanotechnology for Green Architecture*, Arc-US: Forum for America's Leading Architects, November 20, Bonita Springs, Florida
- Nanotechnology for Green Interior Design: Tomorrow's Technologies Today*, Arc-Interiors, September 25, Miami
- 2008 *Sustainability in Action*, Keynote address, Opening of Biomax biofuel plant, June 17, Bogotá, Colombia
- 2007 *Clean Technologies for Green Building*, Cleantech 2007 Conference, May 20-24, Santa Clara, California
- 2006 *Health Effects of Architectural Applications of Nanotechnology*, Nano & Bio in Society Conference, Aug. 9-10, Chicago
- NanoStudio*, ACADIA International Conference Digital Exchange Exhibition, September 12-15, October 12-15, Louisville
- NanoStudio: Experimental Applications of Nanotechnology in Architecture*, 2006 Nano Science and Technology Institute Nanotechnology Conference, May 7-11, Boston
- 2005 *Nanotechnology Applications in Construction*, Arc-US: America's Leading Architects Forum, November 18, Miami
- 2003 *Wearable Computers for Integrated Design and Construction*, American Society of Civil Engineers Construction Research Congress, March 19-23, Honolulu
- 2002 *CDP – Collaborative Design Processes: A Classroom Based Study Serving as a Laboratory for Studying A/E/C Distributed Design*, Soibelman, L., O'Brien, W. and Elvin, G., Workshop on the Role of Empirical Studies in Understanding and Supporting Engineering Design, National Institute of Standards and Technology, Gaithersburg, Maryland, April 4-5
- Collaborative Design Processes: Technology and Teamwork in A/E/C Education*, with Lucio Soibelman and William O'Brien, 9th ISPE International Conference on Concurrent Engineering, July 27-31, Cranfield University, United Kingdom
- 2001 *Integrated Practice: Strategies for the Next Generation Architect*, American Institute of Architects National Convention, May 17-19, Denver
- Transformer: The Work of the Architect between Idea and Object*, Association of Collegiate Schools of Architecture National Meeting, March 16-20, Baltimore

- Synchronizing Workflow Planning in Simultaneous Design and Construction*, with Lucio Soibelman and William O'Brien, 1st International Conference on Innovation in Architecture, Engineering and Construction, July 18-20, Loughborough, England
- 2000 *Integration and Adaptation in Architectural Process: Strategies for Project Organization, Planning and Communication*, ACSA Technology Conference, Emerging Technologies and Design, Massachusetts Institute of Technology, July 14-17, Cambridge MA,
- The Art of Communication in Simultaneous Design and Construction*, International Council for Research and Innovation in Building and Construction Conference, Design Management in the Engineering and Architectural Office, GA Tech, May 19-20, Atlanta,
- On-site Design: The Convergence of Material and Information*, ACSA East Central Regional Conference, November 3-5, University of Michigan
- The Next Generation Architect in Integrated Practice*, Form, Function, Future: The Expanding Dimensions of Architectural Practice, American Institute of Architects, Oct 15-17, Portland OR
- Strategies for Web-Based Collaboration*, Excellence through Design-Build and the Borderless Market, AIA / Canadian Design-Build Institute joint conference, March 23-25, Toronto

Fellowships, Honors and Awards

- 2017 Provost's Immersive Learning Grant, \$9,398, *Architecture for Extreme Environments*
 CREATE Grant, \$5,000, *Architecture for Extreme Environments*
 Assessment Grant, \$1,000, Ball State University, *Architecture for Extreme Environments Assessment Plan*
 College of Architecture and Planning Mini Grant, \$630, *Architecture for Extreme Environments*
- 2016 Provost's Immersive Learning Grant, \$9,845, *Architecture for Extreme Environment*,
 College of Architecture and Planning Micro Grant, \$1925, *Space in Motion*
 College of Architecture and Planning Mini Grant, \$1000, *Architecture for Extreme Environments*
- 2015 President's Travel Fund, Award, \$335, *Post-Petroleum Design: Practices and Principles*, Architectural Research Centers Consortium Conference, April 8, Chicago
 College of Architecture and Planning Mini Grant, \$655, *Post-Petroleum Design*
- 2014 Keep Indianapolis Beautiful, Contract, \$5,000, *Meridian Park Neighborhood Park Play Structure*
 College of Architecture and Planning Mini Grant, \$1000, *Meridian Park Neighborhood Park Play Structure*
- 2010 American Institute of Architects, Contract, \$20,000, *Report on University Research Vol. 4*

- 2009 American Institute of Architects, Contract, \$20,000, *Report on University Research Vol. 3*
- 2008 American Institute of Architects, Contract, \$25,000, *Report on University Research Vol. 2*
- 2007 American Institute of Architects, Contract, \$25,000, *Report on University Research Vol. 1*
- 2006-2018 Fellow, Center for Energy Research, Education and Service, Ball State University
- 2005 Visiting Research Fellow, Institute for Advanced Study in the Humanities, University of Edinburgh, for *Small Plans: Nanotechnology, Architecture, and the Future of the Built Environment*
- 2003 Outstanding Instructor, Instructor and Course Evaluation (UIUC)
Campus Research Board Grant (UIUC), \$22,127, *Wearable computers for Integrated Design and Construction*
- 2000 Technology Fellow, Association of Collegiate Schools of Architecture
Outstanding Instructor, Instructor and Course Evaluation (UIUC)
Campus Research Board Grant (UIUC), \$18,240, *Integrated Practice in Architecture*, January

Exhibitions

- 2017 *Antwerp Container Terminal* (drawing), exhibited in Open Space: Art of the Land, Muncie|Anderson|New Castle, Indiana, October 15-January 18
Architecture for Extreme Environments, exhibition of student work, Diversity Symposium, Ball State University, October 22
Antwerp Container Terminal (video), exhibited in Bring Your Own Beamer, Muncie Makes Lab, November 18
Architecture for Extreme Environments, exhibition of student work, College of Architecture and Planning Gallery, Ball State University, November 15-December 8
Architecture for Extreme Environments, exhibition of student work, CAP: INDY Connector, Indianapolis, December 8-21
- 2016 *Architecture for Extreme Environments*, exhibition of student work, CAP: INDY Connector, Indianapolis, October 24-November 4
Architecture for Extreme Environments, exhibition of student work, MadJax Muncie, December 1
Laniakea Bodyboard and Slateboard skateboard (creative projects) exhibited at StoreFrontLab, San Francisco, March 13-April 4
- 2015 *Greensleeve Case for iPad* (creative project) exhibited at StoreFrontLab, San Francisco, July 23-August 12

2012 *Greensleeve Case for iPad*, (creative project) exhibited at StoreFrontLab, San Francisco, May 27-29

Professional Accreditation

2009-present Accredited Professional, Leadership in Energy and Environmental Design (LEED AP)

Professional Service

2016-present Member, Editorial Board, *International Journal of Environmental Sciences & Sustainable Development*

Member, Review Board, *Journal of Contemporary Urban Affairs*

Member, Editorial Board, *Resourceedings*

2018 Judge, *Association for the Advancement of Sustainability in Higher Education Sustainability Awards*

Reviewer, *AIIGA Design Educators Conference* submissions, Indianapolis, June 7-9

Reviewer, *Journal of Architectural Engineering* submissions

Reviewer, *International Journal of Environmental Sciences & Sustainable Development* submissions

Reviewer, *Association for the Advancement of Sustainability in Higher Education Conference* submissions, Pittsburgh, October 2-5

Reviewer, Administrative Review of Architecture Director, University of Maryland

2017 Reviewer, *TechConnect World Innovation Conference* submissions, Washington DC, May 14-17

Reviewer, Promotion and Tenure Case, University of Utah

2016 Reviewer, *Cleantech Conference* submissions, Washington DC, May 22-26

2015 Reviewer, *Journal of Architectural Engineering* submission

Reviewer, *Wiley* book submission

Reviewer, *TechConnect World Innovation Conference* submissions, Washington DC, June 14-17

2014 Reviewer, *Perkins + Will Research Journal* submission

Reviewer, *TechConnect World Innovation Conference* submission, Washington DC, June 15-18

2012 Chair, *Green Building Symposium*, Clean Technology Conference and Expo, Santa Clara, California, June 18-21

- Instructor, *Green Building: Technologies and Opportunities*, Cleantech Conference, Santa Clara, California, June 18
- 2011 Instructor, *Cost-Effective Green Building Retrofits*, Singapore, April 18-19
- Design Group Leader, National Science Foundation, *Research in Materials and Manufacturing for Extreme Affordability Workshop*, Muncie, Indiana, March 18-19
- Instructor, *Green Building: Technologies and Opportunities*, Clean Technology Conference and Expo, Boston, June 12
- Chair, *Green Building Symposium*, Clean Technology Conference and Expo, Boston, June 13-15
- 2010 Chair, *Green Building Symposium*, Clean Technology Conference and Expo, Los Angeles, June 22-25
- Instructor, *Cost-Effective Intelligent Green Building*, Singapore, March 1-2
- Instructor, *Energy-Efficient Building Envelope Design and Construction*, seminar, Indianapolis, November 18
- Instructor, *Economics of Green Building*, webinar, brightTALK Green Building Summit, April 22, 2010, <http://www.brighttalk.com/community/green-building/webcast/691/6105>
- Instructor, *Green Building: Technologies and Opportunities*, tutorial, Cleantech Conference, Los Angeles, June 21
- 2009 Member, Sustainability Committee, College of Architecture and Planning, Ball State University
- Instructor, *Integrated Practice*, Continuing Professional Education Course, Wiley, <http://www.wiley.com/WileyCDA/Section/id-320255.html>
- Instructor, *Nanotechnology for Green Building*, webinar, brightTALK Green Building Summit, April 22, <http://www.brighttalk.com/webcasts/2817/play>
- Instructor, *Greening Existing Buildings: Retrofitting Residential and Small Commercial Buildings*, seminar, Indianapolis, July 16
- Chair, *Green Building Symposium*, Clean Technology Conference and Expo, Houston, May 2-5
- Instructor, *New Clean Technologies for Green Building*, tutorial, Cleantech Conference, Houston, May 2-5
- Member, Organizing Committee, Clean Technology Conference and Expo, Boston, Houston, May 2-5
- Reviewer, *Journal of Nano Education* submission
- Reviewer, *Journal of Management in Engineering* submission
- 2008 Advisor, Moen, long-term corporate strategies for future of home water management
- Chair, American Institute of Architects RFP Program, American Institute of Architects Convention, Boston, May 16
- Reviewer, Greenbuild International Conference and Expo submissions, Boston, Nov.

19-21

Member, Organizing Committee, Clean Technology Conference and Expo, Boston, June 1-5

2006 Reviewer, *Nanotechnology: Health and Environmental Risks of Nanoparticles*, BAuA (Federal Institute for Occupational Safety and Health), UBA (Federal Environment Agency), and BfR (Federal Institute for Risk Assessment) Federal Republic of Germany

Industry Forum Member, Conference on Nanotechnology Occupational and Environmental Health & Safety, Cincinnati, Dec. 4-7

Reviewer, 2006 ACADIA conference submissions

Reviewer, Illinois Institute of Technology Interprofessional Projects Program

2005-2007 Author, nanotechbuzz.com, nanotechnology blog

2003 Member, Nominating Committee, MacArthur Fellows Program

Founding Member, Mobile Computing Technologies in Construction Project

2002 Co-Chair, American Institute of Architects / Association of Collegiate Schools of Architecture conference, *Experiences in Design-Build: The Expanding Dimensions of Practice and Education*, February 15-17, Atlanta

Reviewer, *Architect's Handbook of Professional Practice, Student Edition*, New York: Wiley and Sons

Submissions Reviewer, *Fully Integrated and Automated Project Processes International Conference*, Virginia Tech, January 23-25

Moderator, Association of Collegiate Schools of Architecture National Meeting Special Focus Session, *Design-Build: Practice and Pedagogy*, April 12, New Orleans

2001 Moderator, Association of Collegiate Schools of Architecture National Meeting Special Focus Session, *Educating the Architect in the Age of Design-Build*, March 19, 2001, Baltimore, MD

Professional Memberships

2016-present National Center for Faculty Development & Diversity
Indiana Technology & Innovation Council

2015-present American Energy Society

2007-present U.S. Green Building Council
Cradle to Cradle Environmental Design Community

2005-present American Society for the Advancement of Sustainability in Higher Education

2006-2007 One Percent for the Planet Alliance

2001-2002 Design-Build Advisory Board, American Institute of Architects

1998-2003 Education and Research Committee, Design-Build Institute of America

Citations and Interviews

- 2018 A Jutraz and T Zupancic, *Virtual Collaborative Technologies in Distributed Urban Design Projects*, in *Transforming Engineering Education*, I Mutis, R Fruchter and C Menassa, Eds., Reston, VA: American Society of Civil Engineers
- D Mbazor and A Adebayo, *The Imperativeness of Information Management On Housing Project Delivery*, *International Journal of Advanced Engineering and Management Research*, Volume 3, Issue 2, pp. 76-86
- 2017 M Masdéu and J Fuses, *Reconceptualizing the Design Studio in Architectural Education: Distance Learning and Blended Learning as Transformation Factors*, *Journal of Architectural Research*, Volume 11, Number 2, pp. 6-23
- N Parthenopoulou, *Nanotechnology Provides New Dynamics in Architectural Design*, *International Journal of Architecture and Urban Studies*, Volume 1, Number 2, pp. 16-30
- F Scalisi, *Nano-materials for Architecture*, *Journal of Civil Engineering and Architecture*, Volume 11, pp.1061-1067
- Y Arayici, TP Fernando, V Munoz and MN Bassanino, *Interoperability Specification Development for Integrated BIM Use in Performance Based Design*, *Automation in Construction*, 85, pp. 167-181
- F Ozturk, T Deveci, E Gunister and RJ Simmons, *Innovative Instructional Strategies for Teaching Materials Science in Engineering*, in *Materials Science and Engineering: Concepts, Methodologies, Tools and Applications*, Hershey, PA: IGI Global, pp. 1-19
- L Remache and N Djermane, *Effect of Nanotechnology on Physical Properties of Concrete*, *Key Engineering Materials*, Vol. 733, pp. 71-75
- A Khan, O Egbue, B Palkie and J Madden, *Active Learning: Engaging Students to Maximize Learning in an Online Course*, *Electronic Journal of e-Learning*, Volume 15, Issue 2, pp. 107-115
- H Wang, M Salemi and PN Balaguru, *Multifunctional Coating System for Rail Track Applications*, *Proceedings of the Joint Rail Conference*, American Society of Mechanical Engineers, Philadelphia, Pennsylvania, USA, April 4–7, 2017, pp. 2017-2023
- AO Ogunde et.al., *The Utilisation of Building Information Modelling in Nigerian Construction Industry: Challenges and Prospects*, 29th IBIMA Conference, May 3-4, 2017, Vienna, Austria
- T Collins and T Hegli, *Modeling Architecture Design Studio on Practice-based Integrated “Ways of Working,”* in *Architectural Research Addressing Societal Challenges*, Boca Raton, FL: Taylor & Francis, pp. 1145-1152
- 2016 L Hancock, *The Future of Design*, *Good Magazine*, January-February 2016, pp. 53-57

- N Usman, M Abubakar and MA Ibrahim, *Assessment of Some Key Issues That Affect the Acceptance of Building Information Modelling (BIM)*, Journal of Environmental Technology, December 2016, p. 40-52
- NJ Cooke, PT Robbins, MJ Grove, SF Quigley, J Binner and JR Green, *Remolding the UK Stem Graduate for 2020: The Collaborative Teaching Laboratory*, 44th SEFI Conference, Tampere, Finland, 12-15 September 2016
- S Weber, *The Charrette Design Model Provides a Means to Promote Collaborative Design in Higher Education*, Systems, Cybernetics and Informatics, Vol 14, No 1, pp. 84-91
- Y Guntzburger, TC Pauchant and PA Tanguy, *Ethical Risk Management Education in Engineering: A Systematic Review*, Science and Engineering Ethics, April 2016, pp. 1-28
- NK Parthenopoulou and M Malindretos, *The Use of Innovative Materials in Innovative Architectural Applications*, Materials Today: Proceedings, Volume 3, Issue 3, pp. 898-912
- M Bailey, N Spencer, A Bentham, B Baylis and P Sams, *What on Earth is Responsible Innovation Anyway? (And How to Make It Happen,)* International Conference on Engineering and Product Design Education 8 & 9, Aalborg University, Denmark September 2016
- M Uihlein, *Structural Engineering Participation in Integrated Design*, Practice Periodical on Structural Design and Construction, September 2016
- T Rahola and A Straub, *The Role of the Architect Using Integrated Contracts for Social Housing Renovation Projects*, Journal of Engineering, Design and Technology, Vol. 14 Iss: 4, pp. 43-54
- P Crowther, A Scott and T Allen, *Perceptions of Collaboration Amongst Novice Design Students in Collaboration and Student Engagement in Design Education*, R Tucker, Ed., Hershey, PA: IGI Global, 2016, pp. 126-144
- GG Ayalp and ME Öcal, *Determining Construction Management Education Qualifications and the Effects of Construction Management Education Deficiencies on Turkish Construction*, Creative Education, pp. 254-268
- M Uihlein, *When Integration Goes Wrong: Learning from the Mistakes of Practitioners*, Journal of Architectural Engineering
- P Pishdad-Bozorgi, R Austin, and J De La Garza, *Flash Track Practices Distilled via Structured Interviews from EPC Projects*, Construction Research Congress 2016, San Juan, Puerto Rico, May 31-June 2, 2016
- E Poirier, D Forgues and S Staub-French, *Collaboration through Innovation: Implications for Expertise in the AEC Sector*, Construction Management and Economics, published online June 12 2016
<http://www.tandfonline.com/doi/abs/10.1080/01446193.2016.1206660>
- N Kalyanaraman et al., *Identification of Long-Term Learning Outcomes and Opportunities for Improvement from an Interdisciplinary Course between Architecture and Construction Science*, 52nd ASC Annual International Conference Proceedings,

April 13-16, Boulder, Colorado

S Rotar and D Barbarash, *Integrated Project Experience and Student Perception*, Landscape Research Record No. 4, pp. 33-44

S Sabihah Saaidin, I Rohani et.al., *Analysis of Risk Probability in Design and Build Projects in Malaysian Construction Industry*, International Academic Research Journal of Business and Technology 2(2) 2016, pp. 51-56

M Anis, G AlTaher, W Sarhan and M Elsemary, *Construction and Building Applications*, Nanovate, 09 December 2016, pp 19-40

H Babuka, *Applications of Nanotechnologies in Sustainable Architecture*, Proceedings of the 3rd Annual Energy Efficiency and Sustainable Development Conference, November 19-21, Skopje, Macedonia

P Pishdad-Bozorgi, J de la Garza and R Austin, *Readiness Assessment for Flash Tracking*, Journal of Construction Engineering and Management, 2016

2015

Post-Petroleum Design, Book review, Auto & Design, Volume 6, November/December 2015, p. 79

The Latest in Cleantech: Designing a Post-Petroleum World, New Zealand Herald, June 30, http://www.nzherald.co.nz/element-magazine/news/article.cfm?c_id=1503340&objectid=11472101

S Coles, *Post-Petroleum Design: Book Review*, ReNew Magazine, September 16, <http://renew.org.au/sustainable-products/book-review-post-petroleum-design/>

P Sisson, *Post-Petroleum Design and the Future of Sustainable Materials*, curbed.com, <http://curbed.com/archives/2015/05/21/postpetroleum-design-and-the-materials-making-architecture-and-design-more-sustainable.php>

S Rokoei, *Building Information Modeling in Project Management: Necessities, Challenges and Outcomes*, Procedia: Social and Behavioral Sciences, Volume 210, pp. 87-95

SC Ugochukwu, SC Akabogu and KC Okolie, *Status and Perceptions of the Application of Building Information Modeling for Improved Building Projects Delivery in Nigeria*, American Journal of Engineering Research, Volume 4, Issue 11, pp 176-182

R Soetanto et al., *Key Success Factors and Guidance for International Collaborative Design Projects*, International Journal of Architectural Research, Volume 9 Number 3, pp. 6-25

BS Santosh and TP Madhavi, *Nanomaterials: Application and Techniques in Civil Engineering*, Journal of Civil Engineering and Environmental Technology, Volume 2 Number 5, pp. 456-460

B Kincl and S Matoš, *Pedestrianisation and Parking Policy as a Solution towards Green Transport Plan: A Case Study of Zagreb*, Journal of Civil Engineering and Architecture, Volume 9, pp. 1079-1084

IE Esparragoza et al., *Assessment of Interaction in Multinational Projects: A Comparison Based on Geographical Location*, Proceedings of 2015 International Conference on Interactive Collaborative Learning, Florence, Italy 20-24 September

RB Austin, P Pishdad-Bozorgi and JM de la Garza, *Identifying and Prioritizing Best Practices to Achieve Flash Track Projects*, Journal of Construction Engineering and Management, Volume 142 Issue 2

S Tahrani et al., *Structuring the Adoption and Implementation of BIM and Integrated Approaches to Project Delivery Across the Canadian AECO Industry*, Canadian Society for Civil Engineering's 5th International Construction Specialty Conference, Vancouver, British Columbia, 8-10 June, pp 1-10

V Muñoz and Y Arayici, *Using Free Tools to Support the BIM Coordination Process into SMEs*, Building Information Modelling (BIM) in Design, Construction and Operations, L Mahdjoubi, CA Brebbia and R Laing, eds., Boston: WIT Press, pp. 33-44

T Marzi, *Nanostructured Materials for Protection and Reinforcement of Timber Structures: A Review and Future Challenges*, Construction and Building Materials, Volume 97, pp. 119-130

S Rotar, *Improving Student Learning Through Integrated Project Experiences*, Landscape Research Record No. 01, Council of Educators in Landscape Architecture

MS Hakiki, C Utomo, *Faktor Kritis Penentu Keberhasilan Kolaborasi Desain pada Perusahaan Properti di Jawa Timur*, Proceedings of the National Seminar on Management technology, Surabaya, Indonesia, 2 February, pp. 1-8

M Adya, BK Temple and DM Hepburn, *Distant yet Near: Promoting Interdisciplinary Learning in Significantly Diverse Teams through Socially Responsible Projects*, Decision Sciences Journal of Innovative Education, Vol 13 Issue 2, pp. 121-149

A Heydarian et al., *Immersive Virtual Environments Versus Physical Built Environments: A Benchmarking Study for Building Design and User-Built Environment Explorations*, Automation in Construction, Volume 54, pp. 116-126

S Alizadehsalehi, O Koseoglu and M Celikag, *Integration of Building Information Modeling (BIM) and Laser Scanning in Construction Industry*, Proceedings of the 6th Biennial Professional Conference of the Architectural Engineering Institute, Milwaukee, Wisconsin, 24-27 March, pp. 163-174

E Kazemi, P Salehi and M Musavi, *Essay on the Evolution of Technology and Architectural Materials*, Turkish Journal of Engineering and Technology, Vol 2, Issue 5, pp. 100-108

2014

CTW Chan and W Sher, *Exploring AEC Education through Collaborative Learning*, Engineering Construction & Architectural Management, Volume 1 Number 25, 2014, p. 21

DA Altun and B Örgülü, *Towards a Different Architecture in Cooperation with Nanotechnology and Genetic Science: New Approaches for the Present and the Future*, Architecture Research, Volume 4 Number 1B, pp. 2, 7

AJ Gale et al., *The Burnout Phenomenon: A Comparative Study of Student Attitudes Toward Collaborative Learning and Sustainability*, Journal of Interior Design, Volume 39, Number 1, p. 18

R Soetanto et al., *Virtual Collaborative Learning for Building Design*, Proceedings of the

ICE - Management, Procurement and Law, Volume 167 Issue 1, p. 26

U Athavankaret al., *Multidisciplinary Team Dynamics in Service Design - The Facilitating Role of Pattern Language*, Proceedings of the India HCI 2014 Conference on Human Computer Interaction, Delhi, December 7-9, 2014, p. 16

MS Uihlein, *Ove Arup's Total Design, Integrated Project Delivery, and the Role of the Engineer*, Architectural Science Review, October 28, 2014

A Sev and M Ezel, *Nanotechnology Innovations for the Sustainable Buildings of the Future*, International Journal of Civil, Architectural, Structural and Construction Engineering, Volume 8 Number 8, p. 851

CV Kumar, *Study on Nano materials and Application of Nanotechnology and Its Impacts in Construction*, International Journal of Modern Engineering Research, p. 6

H Yongping et al., *An Ontology-based Method for Process Modeling in Multi-Disciplinary Collaborative Design*, International Journal of Control and Automation, Volume 7 Number 8, p. 143

J Lee, *The Integrated Design Process from the Facilitator's Perspective*, International Journal of Art & Design Education, Volume 33 Issue 1

BB Das and A Mitra, *Nanomaterials for Construction Engineering-A Review*, International Journal of Materials, Mechanics and Manufacturing, Volume 2 Number 1, p. 44

S Hirsch, *In Harmony with Nature*, Anderson Herald Bulletin, October 12, 2014

2013

R Ruparathna and K Hewage, *Review of Contemporary Construction Procurement Practices*, Journal of Management in Engineering, Volume 10 Number 1061, p. 1943B.

A Daryoush and A Darvish, *A Case Study and Review of Nanotechnology and Nanomaterials in Green Architecture*, Research Journal of Environmental and Earth Sciences, Volume 5 Issue 2, 2013, p. 79

P de Leon et al., *A Flexible Automated Digital Design for Production Workflow*, Proceedings of the 18th International Conference on Computer-Aided Architectural Design Research in Asia, Singapore, May 14-17, 2013, p. 645

M Chiuini, W Grondzik, W. King, M. McGinley and J. Owens, *Architect and Engineer Collaboration: The Solar Decathlon As a Pedagogical Opportunity*, Proceedings of the Architectural Engineering Institute Conference, Pennsylvania State University, April 3-5, 2013, p. 218

J Macdonald and M Granroth, *Multidisciplinary AEC Education Utilising BIM/PLIM Tools and Processes*, Product Lifecycle Management for Society, Volume 409, p. 663

2012

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