

PreConference	Monday, September 18, 2006
1:00 pm - 5:00 pm	Exhibitor Sign-in & Set-up
1:00 pm - 5:00 pm	Design Challenge Sarasota County
5:00 pm - 8:00 pm	Exhibition and Opening Reception with Sarasota County Commissioner Sharon Staub

Day 1	Tuesday, September 19, 2006
7:30 am - 8:30 am	Registration & Breakfast with Sarasota County Commissioner Jon Thaxton
8:30 am - 10:15 am	Plenary Opening - Welcome <i>Moderator: Charles Kibert</i> <i>Chrisna du Plessis, CSIR - Nils Larsson, iiSBE</i>
10:15 am - 10:30 am	Break
10:30 am - 12:00 pm	Session Track 101
	A101
	B101
	C101
12:00 pm - 1:15 pm	Lunch with Jacques Khouri
1:15 pm - 1:30 pm	Break
1:30 pm - 3:00 pm	Session Track 102
	A102
	B102
	C102
3:00 pm - 3:30 pm	Break
3:30 pm - 5:00 pm	Session Track 103
	A103
	B103
	C103
6:00 pm - 9:00 pm	Welcome Dinner with Dr. Steve Burroughs

Day 2	Wednesday, September 20, 2006
7:30 am - 8:30 am	Breakfast with Glenn A. Acomb, ASLA
8:30 am - 10:00 am	Sustainable Design Forum: DwellGreen - From Florida House to Your House <i>Moderator: John Lambie</i> <i>Steven Suau - Terry Osborn - Brian Bishop</i>
10:00 am - 10:30 am	Break
10:30 am - 12:00 pm	Session Track 104
	A104
	B104
	C104
12:00 pm - 1:15 pm	Lunch with Dr. Raymond J. Cole
1:15 pm - 1:30 pm	Break
1:30 pm - 3:00 pm	Session Track 105
	A105
	B105
	C105
3:00 pm - 3:30 pm	Break
3:30 pm - 5:00 pm	Session Track 106
	A106
	B106
	C106

Rethinking Sustainable Construction 2006 Tentative Agenda

Day 3	Thursday, September 21, 2006
7:30 am - 8:30 am	Breakfast with Dr. Meg Lowman
8:30 am - 10:00 am	Sustainable Preservation Forum: Historic Preservation and Green Building <i>Moderator: Andrew Ferrell</i> <i>Jean Carroon - Roy Graham - Samuel Y. Harris - Ron Staley</i>
10:00 am - 10:30 am	Break
10:30 am - 12:00 pm	Session Track 107
	A107
	B107
	C107
12:00 pm - 1:15 pm	Lunch with Dave Gustashaw
1:15 pm - 1:30 pm	Break
1:30 pm - 3:00 pm	Session Track 108
	A108
	B108
	C108
3:00 pm - 3:30 pm	Break
3:30 pm - 5:00 pm	Session Track 109
	A109
	B109
	C109
5:30 pm - 7:00 pm	Design Challenge Sarasota County Wrap-Up & Reception

Day 4	Friday, September 22, 2006
7:30 am - 8:30 am	Breakfast with Richard Lorch
8:30 am - 10:00 am	Sustainable Construction Forum: Greening Wal-Mart <i>Moderator: Rod Wille, VP, Turner Construction</i> <i>Don Moseley, Wal-Mart - Alisdair McGregor, ARUP - Damon Dusterhoft, LPA</i>
10:00 am - 10:30 am	Break
10:30 am - 12:00 pm	Closing Plenary / Roadmap <i>Moderator: Dr. Charles Kibert</i> <i>Chrisna du Plessis, CSIR - Nils Larsson, iiSBE - Dave Gustashaw, Interface</i>
12:00 pm - 1:00 pm	Box Lunch
1:00 pm - 5:00 pm	DwellGreen Local Bus Tour



Rethinking Sustainable Construction 2006 Next Generation Green Buildings

Sarasota, Florida, USA
19-22 September, 2006
12th Rinker International Conference

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Guide to Rethinking Sustainable Construction 2006 Sessions: Presentations, Panels, and Workshops

Tuesday, September 19, 2006

10:30 am - 12:00 pm

Session A101 PRESENTATIONS	
Social Equity and the Built Environment	
Moderator	Ann Edminster
Jonathan Herz, Architect, GSA Office of Governmentwide Policy	Green Buildings: What's Missing Making it Green and Fair
John Storey, Reader in Sustainable Architecture, Victoria University of Wellington	Factor X: Well-being as a Key Component of Next Generation Green Buildings
Dr. Steve Burroughs, Housing & Environmental Consultant	An Alternative to Squatter Communities: Sustainable Housing and Urbanization of Cities within Africa

Session B101 PRESENTATIONS	
Integration with Local Ecosystems	
Moderator	Ann Kosmal
John Mlade, Green Building Research, Perkins + Will	Green Buildings: Building Blocks for an Integrated Community
L. Gene Zellmer, AIA, Architect, Architecture, Planning, Research & Development	A Town Primarily for People that Functions as a Living Organism
Amjad Almusaed, Elegancy and Design	Biophilic Architecture: Towards a New Potential of Healthy Architecture

Session C101 PRESENTATIONS	
Regional Sustainable Development Policy and Strategies	
Moderator	Martin Gold
Jodi John, Manager, Sustainable Sarasota, Sarasota County Government	Sarasota County Government: Sustainable Community Building A Case Study
Beverly Milestone, Building Services Consultants, Inc.	The Hudson Ecogrid - A Plan for a Sustainable Community
Martin Gold, Associate Director for Special Projects, SNRE, University of Florida	Florida Center for Progressive Land Use: A new synthesis of disciplines and stakeholders for the delivery of science for a sustainable future

Session D101 PANEL	
Buildings and Their Occupants as Catalysts for Sustainability	
Moderator	Mike Walters
Mike Walters	Director, Sustainable Systems & Energy Analysis, Affiliated Engineers Inc.
Jeremy Solin	University of Wisconsin - Stevens Point
John Nelson	Engineer & Adjunct Professor, University of Wisconsin - Madison

1:30 pm - 3:00 pm

Session A102 PRESENTATIONS	
Sustainable Planning	
Moderator	Dr. Steve Burroughs
Levin Nock, GreenwayNeighborhoods.net	A Transportation Grid Beneficial for All Residents: Greenways Interlaced with Cul-de-Sacs (GIC)
L. Gene Zellmer, AIA, Architect, Architecture, Planning, Research & Development	A Radically Long-Term Sustainable Town
Muscoe Martin, Principal, M2 Architects	Design for Re-construction: Is Long Life the Key to Sustainable Design?
Eric Tamulonis, Senior Associate, WRT	Green from the Ground Up: Ecological Site Design for Master Plans

Session B102 PANEL	
Financing and Valuing Sustainable Property	
Moderator	Richard Lorch
Sarah Sayce, Professor, Kingston University, UK	Investment Drivers for Sustainable Property: Have We Got the Balance Right? Questions From the U.K.
Thomas Lützkendorf, Professor, & David Lorenz, Ph.D. candidate, Karlsruhe Universitat	Integrating Sustainability Issues into Property Risk Assessment: An Approach to Communicate the Benefits of Sustainable Buildings
Judith H. Heerwagen, Ph.D., Principal, J.H. Heerwagen & Associates	Investing in People: The Social Benefits of Sustainable Design
Jonathan S. Naimon, CEO, Light Green Advisors	Using Carbon Credits to Create Greener Real Estate Investments

Session C102 PRESENTATIONS	
Project Delivery and Sustainability	
Moderator	Dr. Charles Kibert
Judith Kunoff, Senior Project Manager, Parsons Brinckerhoff, Inc.	"Master Aggregators": Facilitating Greener Design and Construction
Dr. Frank Schultmann, Chair, Construction Management & Economics, University of Siegen	Closed Loop-Oriented Project Management in Construction: An Approach for Sustainable Construction Management

Session D102 PRESENTATIONS	
Optimizing Built Environment Hydrologic Cycles	
Moderator	Bhaskaran Sunil Kumar
Jim Nicolow, Architect, Lord, Aeck & Sargent Architecture	In Pursuit of a Waterless Office - Water Efficiency at the Eco Office
Don Mills, Sales Director, Clivus Multrum, Inc.	Beyond Water Conservation: Using Composting Toilets and Greywater to Recycle Nutrients in Wastewater
Armando Silva-Afonso, Professor, University of Aveiro	Optimization of the Water Cycle in the House of the Future of the University of Aveiro

Session E102 WORKSHOP	
From Blueprints to Red Tape to Green Buildings	
Moderator	Edward B. Gentilcore
Edward B. Gentilcore, Reed Smith LLC	From Blueprints to Red Tape to Green Buildings and All the Colors in Between (and Hopefully Beyond)
Steven G. Shapiro, The Whiting-Turner Contracting Company	Practical and Contractual Considerations on Your Road to LEED Certification

3:30 pm - 5:00 pm

Session A103 PRESENTATIONS	
New Strategies	
Moderator	David Johnston
Chrisna Du Plessis, Research Group Leader, CSIR	Thinking About the Day After Tomorrow
Dr. Ing. David Benjamin, Environmental Design Partners, Inc.	Resources for Sustainable Architecture from Historic, Ancient, and Indigenous Knowledge
Dr. Leszek Swiatek, Szczecin University of Technology	Solidary Sustainable Building

Session B103 PANEL	
Applying Biologically-Inspired Design to Architectural Education and Practice	
Moderator	John Carmody
Prof. John Carmody	Director, Univ. of Minnesota Center for Sustainable Building Research
Elva Rubio	Asst. Professor of Architecture, Univ. of Illinois-Chicago, Director of Design, Gensler Chicago
Marc Swackhamer	Asst. Professor of Architecture, University of Minnesota

Session C103 PRESENTATIONS	
Innovation and Technology I	
Moderator	Brad Guy
Raymond Johnson, Corporate Principal, Concord Engineering Group, Inc.	Green School Building Design: The Next Time Around
Fritz Moedinger, Engineer, Ziegel Gasser Mattoni GmbH S.r.l.	Integrated Renewable Energy System in a Brickyard - A Case Study
Dr. Wim van der Spoel, Associate Professor, Delft University of Technology	Passive Cooling and Heating Using Adaptable Insulation
Vikram Sami, Architect, Lord, Aeck, & Sargeant Architecture	Optimizing Passive Solar Design Using Cutting Edge Tools

Session D103 PRESENTATION	
Future By Design	
Moderator	Jacque Fresco
Jacque Fresco	The Venus Project: The Redesign of a Culture

Guide to Rethinking Sustainable Construction 2006 Sessions: Presentations, Panels, and Workshops

Wednesday, September 20, 2006

10:30 am - 12:00 pm

Session A104 PRESENTATIONS	
Integrated Design	
Moderator	Vikram Sami
Ann Kosmal, Architect, General Services Administration	The Lorax and Wump World: Paradigm Shifts and the Role of the Architect
Jonathan Herz, Architect, GSA Office of Governmentwide Policy	Let's Make Green Buildings Truly Sustainable
Dr. Behzad Sodagar, Ph.D., Design Tutor, University of Lincoln	Design Development for a Range of Autonomous Eco-Buildings

Session B104 PRESENTATIONS	
Green Building Assessment Tools	
Moderator	Petr Hajek Mind the Gap: The Green Globes™ Approach to Bridging the Gap Between Building Design and Performance
Jiri Skopek, Technical Advisor, Green Building Initiative	
Victor Olgyay, Assoc. Professor, University of Hawai'i School of Architecture	Using Ecosystems Services Impacts for Green Building Assessment

Session C104 PRESENTATIONS	
Energy Optimization and Passive Design	
Moderator	Fritz Moedinger
David Stecher, Assistant Director, Ecological Construction Laboratory	The Modern Passive House: Background and Building Principles
Dr. Guenter Loehnert, Ph.D., Architect, Sol-id-ar Planungswerkstatt Berlin	Energy Efficiency in Commercial Buildings: Experiences and Monitoring Results from the German Funding Program Energy Optimized Building, EnOB
Jim Nicolow, Architect, Lord, Aeck & Sargent Architecture	A New Kind of Office - Energy Efficiency at the Eco Office
Angela Fandiño, Ph.D. candidate, Civil and Enviro. Engineering, Univ. of Melbourne	Quantifying Performance of Energy Efficient Design Features in Office Buildings
Grahame Maisey, P.E., Chief Engineer, Building Services Consultants, Inc.	Energy Master Planning for HVAC Systems in New and Existing Buildings

Session D104 WORKSHOP	
Life Cycle Costing: A Case Study of an \$800 Million Hospital	
Moderator	Lisa Fay Matthiessen
Lisa Fay Matthiessen, Davis Langdon, Sustainable Design Department	Life Cycle Costing: A Case Study

1:30 pm - 3:00 pm

Session A105 PRESENTATIONS	
Design for Deconstruction	
Moderator	Dr. Leszek Swiatek
Rogério Amoeda, Architect, Departamento Autonomo de Arquitectura da Univ. do Minho	A Model to Evaluate Building Deconstruction: Principles at the Design Stage
Brad Guy, Director of Operations, Hamer Center for Community Design, Penn State	Buildings as Resources: Resiliency Through Design for Disassembly

Session B105 PRESENTATIONS	
LEED as a Certification Metric	
Moderator	Andreas Blum
Ann Edminster, Owner, Design AVEnues/NRDC	Durability in LEED for Homes: Capturing Integration in a LEED Credit
Kara Strong, Project Manager, Sustainable Design Consulting	Beyond LEED: Defining New Metrics for Green Buildings
Rebecca Aarons-Sydnor, Project Consultant, Sustainable Design Consulting	LEEDing by Doing: Combining Sustainable Design with Historic and Economic Development Programs

Session C105 PRESENTATIONS	
Indoor Environmental Quality	
Moderator	Dr. Frank Schultmann
Maxwell Chiazor, Ph.D. candidate, Architecture and Civil & Enviro. Engineering, Univ. of Melbourne	Measurements of IEQ in Buildings with Energy Efficient Design Features
Bilge Celik, Graduate Research Asst., Rinker School of Building Construction, Univ. of Florida	A Methodology to Optimize IAQ in Commercial Buildings
Dr. Svetlana Olbina, Asst. Prof., Rinker School of Building Construction, Univ. of Florida	Model for an Automated Split Control of Shading Devices
Philip Clague, Unitech, Institute of Applied Technology	Innovative Product Designs in Daylighting and Ventilation
Dr. Seong-Seok Go, School of Architecture, Chonnam National University, South Korea	An Experimental Study on the Reduction of Floor Impact Sound in an Apartment - Focusing on the Model Structure

Session D105 WORKSHOP	
Sarasota County Design Challenge	
Moderator	John Lambie
John Lambie	Design Coordinator, Sarasota County

3:30 pm - 5:00 pm

Session A106 PRESENTATIONS	
National Sustainable Development Policy and Strategies	
Moderator	Dr. Charles Kibert
Nils Larsson, Executive Director, iiSBE	Prospects for Green Building in North America
Kevin Hydes, VP of Buildings Engineering, Sector Leader of Sustainability, Stantec	Closing the Loop
Josette Plaut, Research Associate, Institute for the Built Environment	Pivotal Experiences, Organizational Change, and Champions for Sustainability

Session B106 PANEL	
The Future of Green Building Rating Systems	
Moderator	Wayne Trusty
John Carmody	Director, University of Minnesota Center for Sustainable Building Research
Ray Cole	Head of the Environmental Research Group, University of British Columbia School of Architecture
Wayne B. Trusty, President, Athena Institute	LCA Tools and Techniques: Where Do They Fit and How Can We Facilitate Their Use?

Session C106 PRESENTATIONS	
Commissioning and Facility Management	
Moderator	Guenter Loehnert
Grahame Maisey, P.E., Chief Engineer, Building Services Consultants, Inc.	Total Quality Commissioning: Assuring Sustainable, High Performance HVAC Systems
Michael English, P.E., Senior Partner, Horizon Engineering Associates, LLP	Commissioning in a Green World
Gordon Sharp, Chairman, Aircuity	Validating Green Building Performance
Gerrit Reinders, Director of Sustainable Energy Solutions, Johnson Controls, Inc.	

Session D106 WORKSHOP	
Design for Adaptation / Disassembly in the Built Environment	
Moderator	Brad Guy
Brad Guy	Director of Operations, Hamer Center for Community Design, Penn State University

Guide to Rethinking Sustainable Construction 2006 Sessions: Presentations, Panels, and Workshops

Thursday, September 21, 2006

10:30 am - 12:00 pm

Session A107 PRESENTATIONS	
Material Systems I	
Moderator	Dr. Paulo Cachim
Paul Bertram, Jr., President/CEO, PRB Connect	Sustainable Product Evaluation and Specification
Bhaskaran Sunil Kumar, T.K.M. College of Engineering	Traditional Building Materials and Sustainable Habitat
Dr. Mark Gorgolewski, Dept. of Architectural Science, Ryerson Univ.	Maximizing Steel Reuse
Babatunde Olukoye, Student, Mechanical Engineering, Blekinge Institute of Technology	Ecological Sustainability Principles and Common Building Materials

Session B107 PRESENTATIONS	
Existing Buildings: Materials and Methods	
Moderator	Levin Nock
David Lopez, Project Manager and Architect, Hord Coplan Macht, Inc.	Learning from "The Palace"
Caterina Mele, Ph.D./Paolo Piantanida, Ph.D., Researchers, Politecnico di Torino	Building Renovation as a Means of Increasing the Sustainability of the City of the Future: An Italian Case Study
John Storey, Junior Full Prof., Victoria Univ. of Wellington, School of Architecture	Radical Sustainable Re-construction of Existing Buildings: Is It Worthwhile?

Session C107 PRESENTATIONS	
Case Studies: Sustainable Design and Construction	
Moderator	Dr. Robert Peoples
Muscoe Martin, Principal, M2 Architects	Design for Re-construction: Is Long Life the Key to Sustainable Design?
Dr. Jan Tywoniak, Ph.D., Czech Technical University in Prague	Low-Energy Building Strategies as a Natural Starting Point for Overall Optimizations with respect to Sustainability
David Kaneda, Principal, Integrated Design Associates, Inc.	IDEAS 2-Squared Design Facility: A Case Study of a Net Zero Energy, Zero Carbon Emission Office Building

Session D107 PANEL	
How Long Will YOUR Buildings Last?	
Moderator	David Johnston
David Johnston, President, What's Working, Inc.	How Long Will Your Buildings Last?
Bill Reed, President, Integrative Design Collaborative	Where Do We Go From Here?

1:30 pm - 3:00 pm

Session A108 PRESENTATIONS	
Material Systems II	
Moderator	Levin Nock
Andrea Cavaleri, Engineer, Politecnico di Torino	Convenience Evaluations of Dry Laying methods for Radiant Floor Heating and Cooling Systems
Dr. Paulo Cachim, Ph.D., Associate Professor, University of Aveiro	Using Copper Slag as Aggregate for Mortar and Concrete
Dr. Seong-Seok Go, School of Architecture, Chonnam National University, South Korea	A Study on the Properties of Recycled Aggregate Concrete Using SBR (Styrene-Butadiene Rubber) Latex

Session B108 PANEL	
Educating the Next Generation of Green Builders	
Moderator	Stephanie Marcusky
	Media Representative: "Minding Your Business" contributor on CNN's American Morning and Editor-at-large at Fortune Magazine
Andrew Serwer	
	Manufacturing Industry Representative: Principal, EnviroGLAS Products, Inc.
Tim Whaley	Architectural Representative: President, Sustainaissance International, Adjunct, Carnegie Mellon School of Architecture
Robert J. Kobet, AIA	Student Representative: Master's in Building Construction, University of Florida, Founder and President, Science Education Resources, Inc.
Ana Lavignino	
	Education Representative: Alachua County classroom teacher
Melody Hofstetter	

Session C108 PANEL	
The Advent of Reconfigurable Facilities	
Moderator	Dr. Stephen Mulva
	Brand Positioning and Market Development Plan for Building Systems
Clay Langdon	
Kathy Zarsky	Sustainable Building Practices Art, Design, Technology and How Their Intersection Affects Living and Working Structures and Environments
Laura Carpenter	

Session D108 PANEL	
Get Something for Nothing	
Moderator	Albert Bicol
	Associate Partner, Cobalt Engineering
Albert Bicol	

3:30 pm - 5:00 pm

Session A109 PRESENTATIONS	
Innovation and Technology II	
Moderator	David Kaneda
Dr. Kentaro Yamaguchi, Ph.D., Associate Professor, Kyushu University	Friction-Resistant Type Dry-Masonry Structure for REUSE of Materials
Dr. Robert Peoples, Ph.D., Executive Director, Carpet America Recovery Effort	New Products Made From Old Carpet
Jared Markham, Weston Solutions, Inc. & GreenGrid	Wasted Space - Reclaiming Lost Benefits with Green Roofs

Session B109 PRESENTATIONS	
Educating and Incentizing for Greener Buildings	
Moderator	Dr. John Storey
Sandra Leibowitz Earley, Principal, Sustainable Design Consulting	New Directions in Architecture and Design Education
Dell Jones, Vice President, Solar & Wind Technologies, Sterling Planet, Inc.	Green Buildings and White Tags
Mary Anne Bowie, President, Sarasota Green Connection, Inc.	Sarasota Green Connection Economic Development Model: Mainstreaming Green Products and Services
Chi-kwan Chau, Assoc. Prof., Building Services Engineering, Hong Kong Polytechnic Univ.	Rewards for Building Green

Session C109 PANEL	
LEED Design Details	
Moderator	Michael Hess
Wendy Landry, Managing Member, Green Time	LEED Certification: Turning Failure into Success
Michael Hess, Managing Member, Green Time	Integrated Design Examples From the Southeast US

Session D109 PRESENTATIONS	
Waste Management and Disaster Reduction	
Moderator	Dr. Frank Schultmann
Dr. Petr Hajek, Associate Professor, Czech Technical University in Prague	The Way Towards Sustainable Construction by the Use of Recycled Municipal Waste
Andreas Blum, Project Manager, Leibniz Institute of Ecological & Regional Development	Recycled Construction Materials for Urban Infrastructure: Non-technical Barriers to Closing the Loop
Ray Godfrey, Ph.D. candidate, Rinker School of Building Construction, Univ. of Florida	Inclusion of Construction Worker Well-Being in Sustainability
Bob Reightler, Engineering Systems Manager, ANSUL	Clean Agent Fire Suppression