

### III Seminar on Innovation, Science and Technology for the Energy-Efficient Development: Green-Sustainable Buildings

#### Agenda

#### Hotel Camino Real

Hotel Camino Real, Blvd. Belisario Domínguez No. 1195 col. Santa Elena C.P. 29060,  
Tuxtla Gutiérrez, Chiapas, Mexico

May 8-9, 2014

Day 1: Thursday, May 8. SALÓN CAMINO REAL CLUB	
08:30 - 09:00	Registration
09:00 - 09:20	<b><u>Welcome remarks</u></b> <ul style="list-style-type: none"> <li>Anibal E. Quiñonez Abarca, Representative, Organization of American States</li> <li>Navor Francisco Ballinas Morales, Dean, Polytechnic University of Chiapas</li> <li>Lic. Manuel Velasco Coello, Constitutional Governor of Chiapas</li> </ul>
09:20 - 09:40	<b><u>The Experience of Mexico to promote Energy Efficiency in Buildings</u></b> <ul style="list-style-type: none"> <li>Ing. Alejandro Patiño, National Commission for Efficient Energy Use (CONUEE)</li> </ul>
9:40 – 10:15	<b><u>How science and technology can contribute in the rational use of energy in the residential and commercial sector</u></b> <ul style="list-style-type: none"> <li>Carlos Meza-Benavides, International Centre for Theoretical Physics (ICTP). Italy</li> </ul>
10:15 - 10:30	Coffee break
10:30 - 11:15	<b><u>Sustainability in the households to save energy</u></b> <ul style="list-style-type: none"> <li>Baltazar Ojea, Universidad Técnica Nacional. Argentina</li> <li>John Randolph, Virginia Tech. United States</li> </ul>
11:15 – 12:00	<b><u>Electronic systems for efficient lighting</u></b> <ul style="list-style-type: none"> <li>Prof. Henrique A.C. Braga, Universidade Federal de Juiz de Fora. Brazil</li> </ul>
12:00 – 13:00	Lunch

13:00 – 13:40	<p><b><u>The High Performance computing in the study of electronic properties of materials implemented in Renewable Energy</u></b></p> <ul style="list-style-type: none"> <li>• Jesús Muñiz Soria, Universidad Politécnica de Chiapas. <b>Mexico</b></li> </ul>
13:40 – 14:20	<p><b><u>Strategies for cooling low energy consumption for buildings located in warm humid climates and simulation tool to compare the thermal performance of building systems</u></b></p> <ul style="list-style-type: none"> <li>• Prof. Jorge Rojas, Universidad Nacional de Mexico (UNAM). <b>Mexico</b></li> </ul>
14:20 – 15:00	<p><b><u>Etnotecnias of low environmental impact</u></b></p> <ul style="list-style-type: none"> <li>• Arq. Arturo López, Universidad Autónoma de Chiapas. <b>Mexico</b></li> </ul>
15:00 – 15:30	<p><b><u>Building design based on the Cradle to Cradle principles to generate a positive environmental impact</u></b></p> <ul style="list-style-type: none"> <li>• Ing. Andrea Herrera, Organización de los Estados Americanos. <b>United States</b></li> </ul>
15:30 – 15:45	Coffee break
15:45 – 16:30	<p><b><u>Graduate programs in sustainable construction</u></b></p> <ul style="list-style-type: none"> <li>• Prof. Ana Grettel Leandro Hernández, Instituto Tecnológico de Costa Rica. <b>Costa Rica</b></li> </ul>
16:30 – 18:30	<p><b>Panel 1:</b> Initiatives to promote high-level scientific and technological research in Latin America and the Caribbean</p> <p><b>Panelists:</b>  Arq. Javier Del Rio Ojeda, Pontificia Universidad Católica de <b>Chile</b>  Arq. Lucas Arango Díaz, Universidad de San Buenaventura en Medellín. <b>Colombia</b>  Dr. Marco Antonio Flores, Universidad Autónoma de Honduras. <b>Honduras</b>  Dr. Cándido Quintana, Instituto Tecnológico de Santo Domingo. <b>Dominican Republic</b>  Dr. Indra Haraksingh, University of West Indies. <b>Trinidad and Tobago</b>  Dr. John Randolph, Virginia Tech. <b>United States</b></p> <p><b>Moderator:</b> Mtro Roger Castillo Palomera, Universidad Politécnica de Chiapas. <b>Mexico</b></p>

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## Day 2: Friday May 9. SALÓN PALENQUES

08:30 – 10:30	Visit to the factory COFFEE-MATE <sup>1</sup>
10:30 – 12:30	Visit the Center for Research and Technological Development in Renewable Energy at the Polytechnic University of Chiapas
12:30 – 13:30	Lunch
13:30 – 15:00	<p><b>Panel 2:</b> Integration of energy- efficiency into the educational curricula to improve competitiveness and reduce environmental impact</p> <p><b>Panelists:</b>            Dr. Henrique Braga, Universidade Federal de Juiz de Fora. <b>Brazil</b>            Arq. Cristian Vela, Universidad Rafael Landívar. <b>Guatemala</b>            Dr. Ruth Potosingh, University of Technology. <b>Jamaica</b>            Ing. Augusto Gutiérrez, Universidad Nacional de Ingeniería. <b>Nicaragua</b>            Arq. Eric Aguilar, Cámara Nacional de la Construcción del Estado de Chiapas. <b>Mexico</b>            Ing. Jimmy Chang, Universidad Tecnológica de Panamá. <b>Panama</b></p> <p><b>Moderator:</b> Dr. Carlos Meza, International Centre for Theoretical Physics (ICTP). <b>Italia</b></p>
15:00 – 17:30	<p><b>Working Groups:</b> Preparation of an interdisciplinary course in green building</p> <p><b>Moderator:</b> Dr. Carlos Meza, International Centre for Theoretical Physics (ICTP). <b>Italia</b></p>
17:30 – 18:30	<p><b>Plenary Session:</b> Presentation of the recommendations of the Working Groups</p> <p><b>Moderator:</b> Dr. Carlos Meza, International Centre for Theoretical Physics (ICTP). <b>Italia</b></p>
18:30 – 18:45	Conclusions and closure of the Seminar
19:30 – 21:00	<b>Farewell cocktail in the Restaurant Pichanchas</b>

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<sup>1</sup> This building is part of Nestlé Group Mexico, a leader in nutrition, health and wellness was awarded LEED Platinum Certification Version 3