



1st SYMPOSIUM
RESEARCHERS FOR
LATIN AMERICA
 Shaping the Future of Latin America



LATIN AMERICAN SOCIETY
 Imperial College London

1st Symposium 'Researchers for Latin America' Shaping the Future of Latin America

7th and 8th of February 2018 – Royal School of Mines, Room 1.31 – Imperial College London

Day 1 - February 7th

8:30 – 9:00	Registration (Room RSM 1.31)
9:00 – 9:15	Welcome by Diego Mesa – Imperial College, President of Latin American Society Words from Prof. Mark Sephton – Imperial College, Head of Department, Earth Science and Engineering
9:15 – 9:55	Keynote. Prof. Michael Harris – Imperial College, ex Rio Tinto plc <i>"The potential for university research to bring large scale economic and social benefits for Latin America using the mining industry of the Central Andes as an example"</i>
9:55 – 10:15	Harold Mantilla – Imperial College <i>"A Challenging geotechnical project in Peruvian mining industry, a case study: Overall and differential settlement of a heap leach pad founded on an existing mine waste dump"</i>
10:15 – 10:45	Coffee break & Networking (Room RSM 3.01)
Short Presentations Competition	
10:45 – 11:15	Carlos Torres-Ulloa – University of Strathclyde <i>"Propagation of foam-liquid fronts in improved oil recovery"</i>
	Adriana Torres-Ballesteros – University of Southampton <i>"Microorganism in the South: Tackling climate change"</i>
	Rayane Aguiar – Imperial College <i>"Governance of tropical agro-ecosystems: an institutional analysis of agro ecological transition policies for smallholders in Northeast Brazil"</i>
Discussion panel → "Healing the South together" Moderator: Mr. Fernando Avila – Department of Surgery and Cancer, Imperial College	
11:15 – 11:45	Dame Marcela Contreras, DBE – Royal Free Hospital Medical School <i>"Will Blood Services in Latin America reach UK standards?"</i>
11:45 – 12:15	Enny Paixao – London School of Hygiene and Tropical Medicine, Department of Infectious Disease Epidemiology <i>"Large-Scale Data routinely collected and Linkage: technology and innovation applied on public health"</i>
12:15 – 12:45	Macarena Fuentes-Guajardo – University College London, Department of Genetics, Evolution and Environment <i>'Consortium for the Analysis of the Diversity and Evolution of Latin America - CANDELA'</i>
12:45 – 13:10	Time for Q&A
13:10 – 14:15	Lunch (Room RSM 3.01)
14:15 – 14:35	Fabian Fuentes – University of Edinburgh <i>"The Scottish experience in community energy development: a starting point for Chile"</i>
14:35 – 15:20	Keynote. Dr. Christian Malaga-Chuquitaype – Imperial College, Department of Civil and Environmental Engineering <i>"Improving Latin America earthquake preparedness: a structural engineering perspective"</i>
15:20 – 15:50	Dr. Franky Bedoya and Camilo Mesa – Imperial College <i>"From nanometres to metres and from eras to milliseconds: Artificial photosynthesis for solar fuels production"</i>
15:50 – 16:20	Coffee break & Networking (Room RSM 3.01)
Discussion panel → "The Role of Technology in Latin American Sustainable Development" Moderator: Ms Rayane Aguiar – Centre for Environmental Policy, Imperial College	
16:20 – 16:50	Dr. Roberto Rinaldi – Imperial College, Department of Chemical Engineering <i>"The potential of bioeconomy in Latin America"</i>
16:50 – 17:20	Dr. Salvador Acha – Imperial College, Department of Chemical Engineering <i>"Optimal design and operation of distributed low-carbon energy technologies in commercial buildings"</i>
17:20 – 17:40	Time for Q&A
17:40 – 20:00	Closing of day 1 → Networking & Drinks (Room RSM 3.01)

Day 2 - February 8th

8:45 – 9:15	Registration (Room RSM 1.31)
9:15 – 9:55	Keynote. Prof. Robin Grimes – Imperial College, Department of Materials, UK government “ <i>Science engagement as Global Diplomacy</i> ”
Short Presentations Competition	
9:55 – 10:15	Laura Canevari – King’s College London “ <i>Understanding vulnerability to climate change in agricultural value chains: a case study from Jamaica</i> ”
	Cristobal Garcia – Imperial College “ <i>Accelerating Innovation and Entrepreneurship by Design: lessons learned for LATAM</i> ”
	Flavia Schechtman Belham – Seneca Learning “ <i>Active learning: How neuroscience can boost social mobility</i> ”
10:15– 10:40	Coffee break & Networking (Room RSM 3.01)
10:40 – 11:20	Keynote. Prof. Alex Kacelnik – University of Oxford, Department of Zoology “ <i>Tales of deception and exploitation: reproductive parasitism among South American cowbirds</i> ”
Discussion panel → “Bioinformatics and Biotechnology for Latin America” Moderator: Dr Diego Oyarzun – Imperial College, Department of Mathematics	
11:20 – 11:50	Dr. Tanai Cardona Londono – Imperial College, Department of Life Sciences “ <i>Evolution of photosynthesis: past, present, and future</i> ”
11:50 – 12:20	Mr. Ian Willis – CABANA’s project manager “ <i>The CABANA Project and opportunities for Latin American Researchers using Bioinformatics</i> ”
12:20 – 12:50	Dr. Diego Oyarzun – Imperial College, Department of Mathematics “ <i>Analysis and design of biomolecular control systems</i> ”
12:50 – 13:15	Time for Q&A
13:15 – 14:20	Closure of the event → Presentation awards; Networking & Lunch (Room RSM 3.01)

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