



SENER
SECRETARÍA DE ENERGÍA



Centro de Investigación y de Estudios Avanzados del IPN
**FIRST INTERNATIONAL CONFERENCE
ON SUSTAINABLE WATER TREATMENT
USING NANOMATERIALS**

<http://mreb.cinvestav.mx/Conferencia-2018>

From 12 to 14 June, 2018

**PLACE: Auditorium of the Electrical Engineering Department,
CINVESTAV-ZACATENCO, Mexico City**

Meeting chairs

Dr. Velumani Subramaniam & Dra. Refugio Rodríguez Vázquez

Programa Tentativo

June 12

Hora	Evento
8:30 a 9:00	Registro de participantes
9:00 a 9:05	Bienvenido – Dr. Jose Luis Leyva, Secretario de Planeacion, CINVESTAV
9:05 a 9:15	Palabras del Mtro. Leonardo Beltrán Rodríguez , Subsecretario de Planeación y Transición Energética, SENER
9:15 a 9:25	Palabras del Mtro. Roberto Ramirez de la Parra, Director General de CONAGUA
9:25 a 9:35	Palabras del Dr. Rene Asomoza, Profesor Investigador, IE-SEES, CINVESTAV
9:35 a 9:45	Palabras del Dr. Héctor Martínez Castuera, Secretario General del IPN
9:45 a 10:00	Presentación del proyecto 263043, Dr. Velumani Subramaniam/Dra. Refugio Rodríguez
10:00 a 10:30	Inauguración del laboratorio de EcoNanoEnergia LENE
10:30 a 11:00	Café
11:00 a 12:00	Plenaria 1 Prof. Richard Kaner , Distinguished Professor of Materials Science & Engineering, University of California, Los Angeles, USA. “ <i>Nanostructured conjugated polymers for membrane filtration</i> ”
12:00 a 12:30	Invitado 1. M. en I. Jose Edy Garcia Espinosa , CONAGUA, México, “ <i>Organization and operation of the water treatment system for human consumption in Mexico</i> ”
12:30 a 13:00	Invitado 2. Dra. Ma. Teresa Alarcón Herrera , CIMAV-Durango, “ <i>Nanomaterials for Drinking Water Treatment and Monitoring</i> ”
13:00 a 14:00	Sesión de posters 1 (poster Nos 1 to 20)

14:00 a 15:30	Lunch
15:30 a 16:00	Invitado 3. Dr Senthilarasu Sundaram , University of Exeter, UK. “ <i>Solar Technologies for Water desalination and Purification</i> ”
16:00 a 16:30	Invitado 4. Dra. Liliana Reynoso Cuevas , CIMAV-Durango, “ <i>Arsenic Removal from Water by Iron Oxide Nanoparticles</i> ”
16:30 a 17:00	Invitado 5. Dr. Jorge Ascencio Kan InTek , CEO, Cuernavaca, México. “ <i>Nanoparticles and new materials for taking advantage of pluvial water for sustainable urbanism</i> ”

June 13

Hora	Evento
9:00 a 10:00	Plenaria 2 Prof D. Dionysiou , UNESCO Co-Chair Professor of “Water Access and Sustainability”, Department of Chemical and Environmental Engineering (ChEE), University of Cincinnati, USA. “ <i>Treatment of Contaminants of Emerging Concern in Water Using Homogeneous and Heterogeneous Advanced Oxidation Processes</i> ”
10:00 a 10:30	Invitado 6. Prof. Richard Kaner , Distinguished Professor of Materials Science & Engineering, University of California, Los Angeles, USA. “ <i>Exploring the Synthesis and Applications of Graphene</i> ”
10:30 a 11:00	Café
11:00 a 11:30	Invitado 7. Dr. Eleicer Ching Prado , Universidad Tecnológica de Panamá, Panamá. “ <i>Nanometric fibers of SnO₂; A water sensor</i> ”
11:30 a 12:00	Invitado 8. Dra. Erika Bustos Bustos , CIDETEQ, Querétaro, México. “ <i>Design, Construction and Characterization of Nanomaterials for Environmental Electrochemistry</i> ”
12:00 a 12:15	Dr. Felipe Córdoba Lozano , Universidad de las Américas-Puebla, “ <i>Synthesis of Metal Oxide-Carbon Nanomaterial composites for photocatalysis of dyes</i> ”
12:15 a 12:30	PhD Student Karen Valencia García , IIM UNAM, “ <i>Stabilized β-Bi₂O₃ obtained from (BiO)₄CO₃(OH)₂ precursor with photocatalytic activity</i> ”
12:30 a 13:00	Invitado 9, Dra. Liliana Licea , CIMAV-Monterrey, México. “ <i>Functional coatings based on nanoparticles and its incorporation in a polymeric matrix</i> ”
13:00 a 14:00	Sesión de Posters 2 (poster Nos 21 to 40)
14:00 a 15:30	Lunch
15:30 a 16:00	Invitado 10. Dra. Montserrat Bizarro , IIM-UNAM, México. “ <i>ZnO/Bi₂O₃ semiconductor heterojunctions for efficient solar water treatment</i> ”

16:00 a 17:00 **Panel de discusión** (Nanomateriales-tratamiento de agua;
Energías Renovables-Tratamiento de agua)

June 14

Hora	Evento
9:000 a 10:00	Plenaria 3 Dr. Homero Castañeda Lopez , Director, National Corrosion and Materials Reliability Center, Texas A & M University, Texas, USA, <i>“An overview of Nano engineered materials for electrochemical systems applied to continuous water purification”</i>
10:00 a 10:30	Invitado 11. Dr. Andreas Holzenburg , Prof. of Biomedical Sciences, The University of Texas Rio Grande Valley, Texas, USA
10:30 a 11:00	Café
11:00 a 11:30	Invitado 12. Ing. Daniel Ortega , IUSA Sol, México. <i>“Manufacture of photovoltaic modules”</i>
11:30 a 12:00	Invitado 13. Dr. Fabricio Espejel , CIDETEQ, Querétaro, México. <i>“Zeolitic materials synthesized from non-conventional materials and its use in the wastewater treatment”</i>
12:00 a 12:30	<i>Clausura</i>
12:30 a 18:00	<i>Visita a las Pirámides de Teotihuacán</i>

We acknowledge the support from:

