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I-MMÁS

ALTOGETHER EXTRAORDINARY

I-MMÁS Illinois-México, Water and Environment: Fundamental Aspects of Water Quality, Quantity and Contaminants

Program Overview
December 9th, 2021, 9-11:30 am

Zoom registration:

<https://illinois.zoom.us/join/tZYIf-6qqDspEtd1b61PTPhgbMUWwf5BbDJk>



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ILLINOIS MEXICAN & MEXICAN-AMERICAN
STUDENTS INITIATIVE



Objective:

To promote the strategic associations among scientists in México and Illinois, USA on water and the environment



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MEXICAN AMERICAN STUDENTS



SESSION 1: PROGRAM OBJECTIVES AND INTRODUCTION (9:00 - 9:10)

Speaker	Institution	Topic
<p>Dr. Elvira de Mejia</p> 	<p>University of Illinois System, Illinois, USA</p>	<p>Program Objectives and Overview</p>
<p>Dr. Timothy Killeen</p> 	<p>President University of Illinois System, Illinois, USA</p>	<p>Welcome</p>

SESSION 2: LECTURES (9:10 - 10:40)

Speaker	Institution	Topic
Dr. Prasanta K. Kalita 	Professor & Leader Soil & Water Resources Engineering University of Illinois Urbana-Champaign, Urbana, Illinois, USA	Management-Non-point Source Pollution Mitigation for Agricultural Chemicals
Dr. Victor M. Castaño 	Professor Universidad Nacional Autónoma de México (UNAM) – Mexican Academy of Engineering, México	Removal of Dangerous Metal Ions from Water by Using Nanotechnology
Dr. Rafael O. Tinoco 	Assistant Professor Department of Civil and Environmental Engineering University of Illinois Urbana-Champaign, Urbana, Illinois, USA	Learning from Nature: Understanding the Effects of Aquatic Ecosystems on River and Coastal Waters
Dr. José Agustín Breña Naranjo 	Professor Universidad Nacional Autónoma de México (UNAM) –Mexican Institute of Water Technology, México	Evapotranspiration of Crops at a High Resolution (3 x 3 meters)
Dr. Leonardo P. Chamorro 	Associate Professor Department of Mechanical Science and Engineering University of Illinois Urbana-Champaign, Urbana, Illinois, USA	Dynamics of Inertial Particles in Water



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SESSION 2: LECTURES (9:10 - 10:40)

Speaker	Institution	Topic
Dr. Christian Appendini Albrechtsen 	Universidad Nacional Autónoma de México (UNAM) – Institute of Engineering, Yucatán, México	Climate change effects over tropical cyclone waves in the Gulf of Mexico: Implications for structure design
Dr. Andrés Prada 	Research Scientist Illinois Sustainable Technology Center, Champaign, Illinois, USA	Particle dynamics and surface chemistry for microplastic transport modeling in saturated porous media
Dr. Jurgen Mahlkecht 	Professor Tecnológico de Monterrey, México Chair, Water Science and Technology, School of Engineering and Science	Bayesian approach for simultaneous recognition of contaminant sources in groundwater and surface water resources
Dr. Paul Davidson 	Associate Professor Soil & Water Resources Engineering University of Illinois Urbana-Champaign, Urbana, Illinois, USA	Impact of Microbial Pathogens on Food Safety and Human Health

SESSION 3 (ROOM 1): Water Quality and Quantity (10:40 - 11:10)

Speaker	Institution	Topic
Dr. Prasanta K. Kalita	Professor & Leader Soil & Water Resources Engineering University of Illinois Urbana-Champaign, Urbana, Illinois, USA	Moderator

SESSION 4 (ROOM 2): Water Contaminants (10:40 - 11:10)

Speaker	Institution	Topic
Dr. Victor M. Castaño	Professor Universidad Nacional Autónoma de México (UNAM) – Mexican Academy of Engineering, México	Moderator

SESSION 5: CLOSING REMARKS AND NEXT STEPS (11:10 – 11:30)

Speaker	Institution	Topic
Dr. José Agustín Breña Naranjo	Professor Universidad Nacional Autónoma de México (UNAM) – Mexican Institute of Water Technology, México	Conclusions from Breakout Session Room 1
Dr. Paul Davidson	Associate Professor Soil & Water Resources Engineering University of Illinois Urbana-Champaign, Urbana, Illinois	Conclusions from Breakout Session Room 2
Dr. Elvira de Mejia	University of Illinois System, Illinois, USA	Closing remarks/next steps

Thank you for joining the I-MMAS Illinois-Mexico Water and Environment Symposium

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<https://www.uillinois.edu/i-mmas>

or email us at:

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