

**VIGÉSIMA SEGUNDA REUNIÓN NACIONAL DE PERCEPCIÓN REMOTA Y SISTEMAS  
DE INFORMACIÓN GEOGRÁFICA EN PUERTO RICO**

**PRYSIG 2024**

**AGENDA**

- 8:00 am**      **Registro**
- 8:45 am**      **Bienvenida**  
Fernando Gilbes Santaella  
Director de CoHemis  
Recinto Universitario de Mayagüez
- 9:00 am**      **USING COMPUTER VISION TECHNIQUES ON ISAR IMAGES TO  
IMPROVE TRACKING AND CHARACTERIZATION OF NEAR SPACE  
OBJECTS**  
Emmanuel Arzuaga  
Laboratory for Applied Remote Sensing Imaging and Photonics  
Department of Computer Science and Engineering  
University of Puerto Rico – Mayagüez Campus
- 9:20 am**      **REQUISITOS DE ÁREA PARA PROYECTOS DE ENERGÍA SOLAR A  
ESCALA INDUSTRIAL EN PUERTO RICO**  
David Sotomayor Ramírez and Lucas Prado Tovar  
University of Puerto Rico – Mayagüez Campus
- 9:40 am**      **A BRIEF HISTORY OF THE PLANKTON AEROSOL CLOUD OCEAN  
ECOSYSTEM (PACE) MISSION AND SOME NOTES ABOUT WHAT IS  
NEXT IN EARTH SYSTEM SCIENCE REMOTE SENSING**  
Carlos E. Del Castillo  
Chief, The Ocean Ecology Laboratory  
NASA Goddard Space Flight Center, Greenbelt, Maryland
- 10:20 am**      **Receso**
- 10:40 am**      **HERRAMIENTAS IA PARA EL ANALISIS GEOESPACIAL**  
Aurelio Castro  
GIS Professor -Planning Pier Luigi Caldari Computer Lab  
University of Puerto Rico – Río Piedras Campus  
Director, Geographic Mapping Technologies

**11:00 am      WATERSHEDS, WATER QUALITY, AND COASTAL COMMUNITIES IN  
PUERTO RICO (WATER2COASTS)**

Juan L. Torres-Pérez (PI)<sup>1</sup>, Roy A. Armstrong<sup>2,3</sup>, William J. Hernández<sup>2,3</sup>, Liane S. Guild<sup>1</sup>, Carlos Ramos-Scharrón<sup>4</sup>, Luis Santiago<sup>5</sup>, Samuel Suleimán<sup>6</sup>, and Edwin Hernández-Delgado<sup>6</sup>

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<sup>3</sup>Environmental Mapping Consultants, LLC

<sup>4</sup> University of Texas at Austin, TX

<sup>5</sup> Boston University Metropolitan College, MA

<sup>6</sup> Sociedad Ambiente Marino, PR

**11:20 am      LECTURAS DE CALLE: GEOLOCALIZACIÓN DE LA INVESTIGACIÓN-  
ACCIÓN PARTICIPATIVA**

Francisco Maldonado Fortunet, Luisa Seijo Maldonado, Berenice Venegas Hidalgo, Willian Pacheco Cano, Carlos Peña Becerra, Daniel Sánchez Gómez, Reinaldo Rosado Silva, Lizzette González Gil, Ingrid Rodríguez Ramos, Ricardo Fuentes Ramírez, Marcel Castro Sitiriche  
University of Puerto Rico – Mayagüez Campus

**11:40 am      ASSESSING AND REFINING OPTIMAL PRACTICES FOR DRONE  
MISSION PLANNING IN MARINE ENVIRONMENTS**

Biajani S. Gonzalez Torres

University of Puerto Rico – Mayagüez Campus

**12:00 pm      Clausura**