

IEEE Women in Engineering



University of Science, VNU-HCM, Hall I
227 Nguyen Van Cu St., Cho Quan Ward, Ho Chi Minh City, Vietnam
August 18th 2025



IEEE Women in Engineering (WIE) is a global network of IEEE members and volunteers dedicated to promoting women engineers and scientists and inspiring girls around the world to follow their academic interests

Register for the WIE event in Ho Chi Minh City at: <https://indico.global/event/6870/registrations/3597/>

EVERYONE is INVITED

Featured speakers



Hoang Thi Kieu Trang, PhD

Ph.D. in **Experimental High Energy Physics**, faculty member at the University of Science, part of Vietnam National University Ho Chi Minh City (VNU-HCM). Experienced in MC simulation, digital signal processing, medical image processing and artificial neural networks. Active member the **NPSS Educational Committee** and **IEEE Wie**



Cinzia DaVià, Prof

Professor of Physics in the Department of **Physics and Astronomy** at the University of Manchester, UK, and a Research Professor at Stony Brook University, USA. Research on radiation detectors and their medical applications. Leader of the **NPSS Climate Change Initiative** and **IEEE Wie** member



Andrea Gonzalez-Montoro, PhD

Ph.D. in **Physics**, postdoctoral research fellow at the Institute for Instrumentation in Molecular Imaging, i3M, (Valencia, Spain) and ERC Stg grantee. Focus on designing Positron Emission Tomography (**PET**) detectors and on their transfer into fully-operating systems. Member of **IEEE Wie**, co-founder of "Mujeres de Ciencia"



Martin Grossmann, PhD – IEEE NPSS Chair of EduCom

Ph.D. in Physics, has worked in High Energy Physics at CERN and in Muon Physics at PSI before joining the CPT there in 1995. He programmed the therapy control system for the world's first pencil He lead the IT & Electronics group at CPT and was in charge of control and safety systems for several PSI built treatment rooms. He is actively involved in the organization of the recent editions of several IEEE NPSS activities.

VIP

Invited speakers



Phan Nguyen Ai Nhi, MSc & MA

With training in International Vocational Education and Teaching and Learning, her research focuses on **Service Learning (SL)** and **STEAM education**. She has supported teacher training in community-connected STEAM and led SL–STEAM projects for students with disabilities, especially the visually impaired.



Vo Luong Hong Phuoc, PhD

Ph.D. in **Earth Science**. She has worked on Modeling and Simulation in Physical Oceanology, Agrometeorology, Hydrodynamics in coastal zones, rivers estuaries and mangrove forests and Sediment dynamics.



Cathy Tsai, PhD

Prof of **Nuclear Engineering**. She is a recognized expert in medical physics, radiation dosimetry, and radiation protection. She has made significant contributions to the field of advanced radiation therapies, particularly Boron Neutron Capture Therapy (BNCT).



Agnette Peralta,

MS **Medical Physics**. Started as health physicist and retired as Assistant Secretary of Health. She did research in both **ionizing and non-ionizing radiation protection**. She is currently a Professorial Lecturer and serves as a consultant medical physicist.

Complete Bios and Talk summaries at:

<https://indico.global/event/6870/contributions/121268/>

Time`	Content	Speaker
1:30 PM	Opening Women In Engineering Session	Hoang Thi Kieu Trang (MC)
1:35 PM	Welcome Speech	
1:40 PM	School summary report	Martin Grossmann
1:50 PM	IEEE NPSS Women In Engineering	Andrea Gonzalez-Montoro
2:10 PM	Empowering Future Scientists: My Journey in BNCT Research	Cathy Tsai
2:30 PM	A Non-Doctor in a Health - Care Environment	Agnette Peralta
2:50 PM	Bridging STEAM and Community: Women's Contribution Through SL-STEAM Projects	Phan Nguyen Ai Nhi
3:25 PM	Mangrove Forests as Pillars of Sustainable Development and Climate Resilience	Vo Luong Hong Phuoc
3:45 PM	Impact of Climate Induced Extreme Weather on Under-Represented Groups	Cinzia DaVià (online)
4:10 PM	Panel Session	

IEEE NPSS SCHOOL ON ADVANCED TOPICS IN MEDICAL IMAGING

University of Science – VNUHCM, August 13th - 18th, 2025, Ho Chi Minh city, Vietnam