

Nondestructive Evaluation and Industrial Inspection

TC-01 Committee Meeting on May 23, 2023

At I2MTC 2023 in the Kuala Lumpur Convention Centre, Malaysia.

TC-01 Chair: Jaems A. Smith Idaho National Laboratory, USA
TC-01 Co-Chair: Helena G. Ramos Instituto de Telecomunicacoes, Instituto Superior Tecnico, Portuga

Location: Kuala Lumpur Convention Centre; Conference Hall 2

Attendance:

Bo Feng	Huazhong University of Science and Technology, China
James A. Smith	Idaho National Laboratory, USA
Katelyn R Brinker	Iowa State University & Center for Nondestructive Evaluation, USA
Kristen M Donnell	Missouri University of Science and Technology, USA
Mohsen Barzegar	Instituto de Telecomunicações & Instituto Superior Técnico, Portugal
Octavian Adrian Postolache	Instituto de Telecomunicações, Lisboa/IT & Instituto Universitario de Lisboa, ISCTE-IUL, Portugal
Reza Zoughi,	Iowa State University, USA
Sergio Rapuano	University of Sannio, Italy
Shervin Shirmohammadi	University of Ottawa, Canada

Meeting Summary:

There was a Nondestructive Evaluation and Industrial Inspection (NDE&II) held at I2MTC during lunch. During the meeting, the mission and goals for Nondestructive Evaluation and Industrial Inspection (NDE&II) were reviewed. The NDE&II mission, and goals have been expressed in September's 2023 issue of Instrumentation & Measurement Magazine. A summary of the mission and goals are also located on the NDE&II website.

Much of the discussion centered on getting industrial and government laboratories involved with NDE&II committee to develop best practices and standards. We also discussed developing stronger collaborations with other I&M TCs and other Technic Societies within and external to IEEE. NDE&II should explore coordinating efforts with Societies such as ASNT, ASTM and ASME to make sure all societies are on the same page, aware of each other's actions, and make sure efforts are complimentary.

Activities during I2MTC:

During the I2MTC meeting the following attendees indicated interest in the NDE&IM TC:

- Amit Kumar Mishra University of Cape Town, South Africa
- Lee Barford Keysight Technologies, USA
- Chao Tan Tianjin University, China
- Olfa Kanoun Chemnitz University of Technology, Germany
- Faouzi Derbel Leipzig University of Applied Sciences, Germany

Follow Up Actions:

- NDE&II contacted the conference organizer for the American Society For Nondestructive Testing's (ASNT) Research symposium, Barry Schieferstein. Mr. Schieferstein then introduced Mr. Paul Lang, ASNT Director of Standards and Certification via e-mail. Currently, we are working to schedule a discussion on coordinating standards and best practices between NDE&II and ASNT.
- NDE&II is working with TC-09, Sensor Technology, on two project authorization requests:
 - P1451.7 – Smart transducer interface for sensors and actuators – Add Transducers to radio frequency identification (RFID) systems communication protocols).
 - P1451.9 – Tidal Turbine Health Monitoring System – IEEE to broaden the scope to include industrial assets such as pumps, motors and shafts.