

JSNDI online workshop
“Emerging Technologies of Advanced Ultrasonic Measurement”

1. Date: 14 December, 2021 (15:00 – 19:50, Japan Standard Time (JST))

2. Online tool: Zoom

3. Program:

15:00 – 15:10

“Opening remark”

Chair: Yoshikazu Ohara (Tohoku University, Japan)

15:10 – 16:00

“Highly-sensitive and non-contact methods for acoustic recognition and imaging of defects by using Local Defect Resonance”

Igor Solodov, Marc Kreutzbruck (University of Stuttgart, Germany)

16:00 – 16:50

“Emerging methods of structural damage detection with guided ultrasonic waves”

Łukasz Pieczonka (AGH University of Science and Technology, Poland)

Break (20 min.)

17:10 – 18:00

“Some examples of unconventional elastodynamic NDT”

Bernd Köhler (Fraunhofer IKTS, Germany)

18:00 – 18:50

“Sound field measurements on thermoacoustic air-coupled transducers”

Mate Gaal, Majid Ahmadzadeh, Daniel Hufschläger (BAM, Germany)

18:50 – 19:40

“Ultrasonic characterization of complex damage, 3D fiber architecture and viscoelastic stiffness in composites”

Mathias Kersemans (Ghent University, Belgium)

19:40 – 19:50

“Closing remark”