



# 27th International Conference on Nonlinear Elasticity in Materials

## Tuesday 15 July 2025

### Instantaneous nonlinearity and NDT: I (14:00 - 15:10)

time	[id] title	presenter
14:00	[18] Investigating Coupled Flexural Mode Behavior Observed in NRUS Testing	JOHNSON, Sarah
14:35	[21] Connecting linear and nonlinear ultrasonic responses of stressed fractured rock to fracture and bulk characteristics derived from in-situ synchrotron X-ray imaging	SHOKOUHI, Parisa

# Wednesday 16 July 2025

## **Instantaneous nonlinearity and NDT: II (09:00 - 10:10)**

time	[id] title	presenter
09:00	[26] Assessing Concrete Damage Using Thermal Modulation and Coda Wave Interferometry – preliminary results	SANCHEZ TRUJILLO, Camila Andrea
09:35	[24] Evidence of nonlinear acoustic behaviour in concrete constructions and the meso- and macro-scale	Dr SKLODOWSKA, Anna

## **Instantaneous nonlinearity and NDT: III (10:50 - 12:00)**

time	[id] title	presenter
10:50	[35] Stress- and time-dependent elastic properties in a test bridge model: from high to low frequencies	DOMINGUEZ-BUREOS, Marco
11:25	[42] Wave mixing in a heat-damaged concrete slab	MORA, Pierric

## **Instantaneous nonlinearity and NDT: IV (14:00 - 15:10)**

time	[id] title	presenter
14:00	[9] Monitoring Reaction-Driven Cracking with nonlinear elasticity	MALCOLM, Alison
14:35	[13] Evaluation of Plasticity-Induced Elastic Nonlinearity in Steel Using Nonlinear Guided Waves	MOHAN, Abishay

## **Instantaneous nonlinearity and NDT: V (15:50 - 16:25)**

time	[id] title	presenter
15:50	[31] Tomographic-Holographic Acousto-Optic Imaging of the 3D Nonlinear Air-Coupled Emission Field of Delaminated Composites	KERSEMANS, Mathias