

ICPPP21 International Conference on Photoacoustic and Photothermal Phenomena

Tuesday 21 June 2022

Infrared Thermography / Nondestructive Evaluation (10:30-12:30)

time	[id] title	presenter
10:30	[137] KN16- Margaux Bouzin: Imaging thermal properties by super-resolution far-infrared thermography - KEYNOTE LECTURE	
11:00	[138] KN17- Arantza Mendioroz: Nondestructive control of materials in motion using laser spot thermography - KEYNOTE LECTURE	
11:30	[139] O55- Nelson W. Pech-May: Automatic inspection of surface breaking cracks using laser scanning thermography	
11:50	[140] O56- Mathias Ziegler: New options for finding defects on and below the surface using structured laser thermography	
12:10	[141] O57- Simon J. Altenburg: Towards hyperspectral in-situ temperature measurement in metal additive manufacturing	

Infrared Thermography / Nondestructive Evaluation (14:00-15:50)

time	[id] title	presenter
14:00	[152] KN20- Peter Burgholzer: Detectability of noisy signals for photothermal and photoacoustic reconstruction - KEYNOTE LECTURE	
14:30	[153] O58- Florian Dreier: Photoacoustic reconstruction formulas exploiting known location of 2D initial pressure	
14:50	[154] O59- Wolfgang Haderer: Spatio-temporal imaging of the thermally hardened surface layer in steel parts	
15:10	[155] O60- Sandeep Sathyan: Restriction on the laser wavelengths for imaging of metal/epoxy interfaces by time-domain Brillouin scattering	
15:30	[156] O61- Peng Song: Application of all-optical and nondestructive laser ultrasonic in imaging of CFRP subsurface defects	

Thursday 23 June 2022

Infrared Thermography / Nondestructive Evaluation (11:15-12:55)

time	[id] title	presenter
11:15	[182] KN25- Michal Pawlak: Spectrally resolved modulated infrared radiometry - KEYNOTE LECTURE	
11:45	[183] O73- Alexander Melnikov: Lock-in thermography of compressed metal powder metallurgy in pre-sintered state as flaw preventive non-destructive evaluation modality	
12:05	[184] O74- Boris Majaron: Three-dimensional reconstruction of subsurface absorbing structures in human skin from photothermal radiometric records	
12:25	[185] KN27- Perry Xiao: Photothermal radiometry data analysis with machine learning - KEYNOTE LECTURE	