

<b>Thursday, Oct 15<sup>th</sup></b>		
<b>Session 1</b>		<b>Chairman: David Wagg</b>
9:00 – 9:10	Welcome	<i>Jan Holnicki-Szulc</i>
9:10 – 9:45	An introduction to the tuned-inerter-damper for vibration suppression	<i>David Wagg (invited)</i>
9:45 – 10:20	Prestress Accumulation–Release (PAR) for damping of free vibrations in frame structures. Experimental study of a lab-scale demonstrator structure equipped with piezo-actuated semi-active nodes	<i>Arkadiusz Mróz, Jan Biczuk, Jan Holnicki-Szulc, (invited)</i>
10:20 – 10:40	A preliminary study of helicopter crashworthy stages adapted to different impact conditions	<i>Paolo Astori, Alessandro Airoidi</i>
<i>Coffee break</i>		
<b>Session 2</b>		<b>Chairman: Fabio Casciati</b>
11:00 – 11:35	Modelling and experimental validation for low and high energy impacts on composite aircraft structures	<i>Alfredo Güemes (invited)</i>
11:35 – 12:10	Active Damping of Suspension Bridges	<i>André Preumont (invited), David Alaluf</i>
12:10 – 12:30	Selected studies on adaptive control for crash and impact	<i>Marian Ostrowski</i>
12:30 – 12:50	Vibration control in smart buildings subjected to earthquake excitation	<i>Dominik Pisarski, Mateusz Bajkowski, Czesław Bajer, Bartłomiej Dyniewicz, Tomasz Szmidt</i>
12:50 – 13:10	SPINMAN device for inertial impact absorption	<i>Rami Faraj, Jan Holnicki-Szulc, Krzysztof Kaźmierczak, Lech Knap, Jarosław Seńko</i>
<i>Lunch break</i>		
<b>Session 3</b>		<b>Chairman: Alfredo Güemes</b>
14:00 – 14:35	Pole Placement and Active Vibration Control in Structures	<i>John E Mottershead (invited), Xiaojun Wei, Shakir Jiffri, Sebastiano Fichera</i>
14:35 – 15:10	Observer-based linearised semi-active control	<i>Neil D Sims (invited), Mehmet Eroglu</i>
15:10 – 15:30	Novel type of tuned mass damper with inerter which enables changes of inertance	<i>Piotr Brzeski, Tomasz Kapitaniak, Przemysław Perlikowski</i>
15:30 – 15:50	High Performance Valves for Adaptive Pneumatic Impact Absorbing Systems	<i>Piotr Pawłowski, Cezary Graczykowski, Marian Ostrowski, Krzysztof Sekuła, Arkadiusz Mróz</i>
<i>Coffee break</i>		
<b>Session 4</b>		<b>Chairman: John E Mottershead</b>
16:10 – 16:45	Soil-structure interaction for helicopter impact	<i>Fabio Casciati (invited), Sara Casciati, Lucia Faravelli</i>

16:45 – 17:20	Angular location of the impact on composite structure using single rosette	<i>Szymon Opoka, Katarzyna Majewska, Pawel Kudela, Wiesław Ostachowicz (invited)</i>
17:20 – 17:40	Stepping Piezo Actuators (SPA) : a solution for image stabilisation?	<i>Stéphane Sage</i>
17:40 – 18:00	A Conceptual Study of a Pneumatic Adaptive Absorber for Mechanical Energy Dissipation	<i>Rafał Wiszowaty, Grzegorz Mikułowski, Jan Holnicki-Szulc</i>
<b>Friday, Oct 16<sup>th</sup> Smart-Nest Project</b>		
<b>Session 5</b>		<b>Chairman: Christian Boller</b>
9:00 – 9:10	Welcome by a REA representative	
9:10 – 9:30	The Smart-Nest Project	<i>Jan Holnicki-Szulc</i>
9:30 – 9:50	Weigh-in-Motion demonstrator for Copernicus Science Centre	<i>Damian Sala, Dariusz Wiącek, Krzysztof Sekuła, Przemysław Kołakowski</i>
9:50 – 10:00	A short summary from ECL	<i>Mohamed Ichchou</i>
10:00 – 10:10	A short summary from UdS	<i>Christian Boller</i>
10:10 – 10:20	A short summary from I-Deal Technologies	<i>Andrey Bulavinov</i>
10:20 – 10:30	A short summary from Cedrat Technologies	<i>Stéphane Sage</i>
10:30 – 10:40	A short summary from Adaptronica	<i>Przemysław Kołakowski</i>
10:40 – 10:50	A short summary from IPPT PAN	<i>Łukasz Jankowski</i>
10:50 – 11:10	Smart Hybrid Semi-Active Dampers	<i>Grzegorz Mikułowski</i>
<i>Coffee break</i>		
<b>Session 6</b>		<b>Chairman: Mohamed Ichchou</b>
11:30 – 11:50	Long-range SHM in structured media	<i>Olivier Bareille</i>
11:50 – 12:10	Sensor fusion for AIA applications	<i>Marek Kokot</i>
12:10 – 12:30	Development of novel tomography technique for ultrasonic examination of weld joints	<i>Alexandr Lozak, Roman Pinchuk, Andrey Bulavinov, Olivier Bareille, Grzegorz Mikułowski, Piotr Pawłowski</i>
12:30 – 12:50	The concept of smart prestressed composites. Numerical modelling and experimental evaluation	<i>Cezary Graczykowski, Ramanan Sridaran Venkat, Anita Orłowska</i>
12:50 – 13:10	Assessment of a steel bridge using magnetic methods	<i>Georg Seiler, Meisam Sheikh Amiri, Peter Starke, Christian Boller, Przemysław Kołakowski, Jan Holnicki-Szulc</i>
13:10 – 13:30	Vibroacoustic analyses and strategies for the noise attenuation of Linear Stepping Piezoelectric Actuators	<i>Tomasz G Zieliński, Fabien Dubois, Krzysztof Sekuła</i>
13:30 – 13:50	Experimental development of the portable WIM detector	<i>Krzysztof Sekuła</i>
<i>Lunch break</i>		