LAST MINUTE PROGRAMME CHANGES *(as of July 11, 2022)*

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MONDAY, July 11

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	Auditorium: *session S1* *(level 2)* **EACS 2022 special session: bridging to the future** *(Special session in honor of EACS founding fathers)*
11:35 – 11:55	<u>Sara Casciati</u> *Comparing the efficiency of different structural skeletons for isolated domes*
11:55 – 12:15	<u>Tugberk Guner</u>, Oreste S. Bursi, Marco Broccardo *A bistable locally resonant metafoundation for seismic protection of process plant components*
12:15 – 12:35	<u>Dominik Pisarski</u>, Łukasz Jankowski *Reinforcement learning algorithm for controlling the transient vibrations of semi-active structures induced by unknown periodic excitation*
12:35 – 12:55	<u>Piotr Bartkowski</u>, Franciszek Gawiński, Łukasz Pawliszak *Electromagnetically-controlled shape morphing composite*
12:55 – 13:15	Hans Irschik, <u>Michael Krommer</u> *On the decomposition of actuation stresses for shape control of viscoelastic solids and structures in the presence of shock and acceleration waves*

	Scientific Council Room: *session S3-b* *(level 1)* **LIVE-I project session – lightweight gear transmission**
14:00 – 14:20	<u>Barabara Zaparoli Cunha</u>, Christophe Droz, Abdel-Malek Zine, Stéphane Foulard, Mohamed Ichchou *Uncertainty propagation in static and dynamic gear whine analyses through neural networks surrogate models*
14:20 – 14:40	<u>Sina Soleimanian</u>, Giuseppe Petrone, Arkadiusz Mroz, Francesco Franco, Przemysław Kolakowski, Sergio De Rosa *Optimal tuning of an adaptive vibration absorber for vibration control of vehicle transmission system*
14:40 – 15:00	<u>Sherif Okda</u>, Sneha Rupa Nampally, Mauro Fontana, Sven Herold, Rainer Nordmann, Stephan Rinderknecht, Tobias Melz *Experimental vibro-acoustic analysis of gearbox behavior using piezoelectric stack actuator excitation*
15:00 – 15:20	<u>Sneha Rupa Nampally</u>, Sherif Okda, Mauro Fontana, Rainer Nordmann, Stephan Rinderknecht *Experimental studies on the influence of static torque in a novel gearbox test-rig*

15:20 – 16:00	**Poster session / Coffee break**
	<u>César Peláez</u>, Alvaro Magdaleno, Antolin Lorenzana *Human-induced force reconstruction using a non-linear electrodynamic shaker applying ANN-based iterative learning controller*
	<u>Alvaro Magdaleno</u>, Javier Naranjo, Alvaro Iglesias-Pordomingo, César Peláez, Ivan M. Diaz *Study of the interaction phenomena between a slender structure and its passive mitigation devices*
	<u>Blazej Poplawski</u>, Grzegorz Mikułowski, Arkadiusz Mróz, Łukasz Jankowski *Semi-active vibration mitigation of 2D frames by means of local nodal reconfiguration*
	<u>Xinhao An</u>, Jilin Hou, Qingxia Zhang, Łukasz Jankowski *Identification of vehicle frequency response function based on Tikhonov regularization method*
	<u>Mariusz Ostrowski</u>, Bartłomiej Błachowski, Grzegorz Mikulowski, Łukasz Jankowski *Comparison of mode matching and Bayesian approach for parametric identification of frames with bolted connections*
	<u>Michał A. Posyniak</u>, A. Skop, Krzysztof M. Markowicz *Small sensors in atmospheric aerosols profiling*

TUESDAY, July 12

	Auditorium: *session S5-a* (level 2) **Structural health monitoring and damage detection**
11:20 – 12:00	Ziemowit Dworakowski **keynote lecture:** *Data interpretation challenges in Structural Health Monitoring*
12:00 – 12:20	Daniele Bortoluzzi, Sara Casciati, Matteo Francolini *The problem of geothermal power installation on buildings: structural building monitoring and assessment during drilling activities*
12:20 – 12:40	Jersson X. Leon-Medina, Núria Parés, Maribel Anaya, Diego Tibaduiza, Francesc Pozo *Ensemble of feature extraction methods to improve the structural damage classification in a wind turbine foundation*
12:40 – 13:00	Rafał Sieńko, Łukasz Bednarski, Tomasz Howiacki, Katarzyna Zdanowicz *Innovative monolithic DFOS sensor for temperature and mechanical strain measurements*