



## Day 3, June 20, 2025

Time	Activity
09:30 - 10:15	Plenary Lecture 7
10:15 - 10:25	Short Break
10:25 - 11:45	Parallel Sessions: - Session C: 4 papers (60 min + 20 min for comments) - Session D: 4 papers (60 min + 20 min for comments) - Session M1: 4 papers (60 min + 20 min for comments) - Session M2: 4 papers (60 min + 20 min for comments)
11:45 - 12:15	Coffee Break
12:15 - 12:40	Closing Ceremony



## Day 3, June 20, 2025

<b>Day 3, June 20</b>	<b>Plenary Lecture</b>
<b>09:30 - 10:15</b>	Room: 611 FME <b>Dimension Reduction in Elasticity</b> - R. Kienzler, <i>University of Bremen, Germany</i> , ( <a href="#">10ICSSM- Kienzler</a> )
<b>10:15 - 10:25</b>	Short technical break
<b>10:25 - 11:45</b>	<b>Parallel Sessions</b>
<b>Day 3, June 20</b> <b>10:25 - 11:25</b>	<b>Session C, Room:</b> <b>Chairs:</b> Šalinic S., <i>Faculty of Mechanical and Civil Engineering in Kraljevo, University of Kragujevac, Serbia</i>

3 papers (15 min + 5 min for comments every):

- **C.10 - Mode orthogonality conditions of spatial vibrations of an Euler-Bernoulli cantilever beam with an eccentric rigid tip load** – Veg M., Tomovic A., Obradovic A., Šalinic S., Selyutskiy Y. ([10ICSSM - Veg et al. - C](#))
- **C.11 - Friction Stir Welding – Thermo-mechanical quantities and energy dissipation for different joint shapes** – Veljic D., Medjo B., Radovic N., Radosavljevic Z., Mihajlovic D., Sedmak A. ([10ICSSM - Veljic et al. - C](#))
- **C.12 - Generalized Einstein tensor for euclidean surfaces with mechanical point of view** – Vesic N., Slavkovic K. ([10ICSSM - Vesic et al. - C](#))

<b>Day 3, June 20</b>	<b>Session D, Room:</b>
<b>10:25 - 11:25</b>	<b>Chairs:</b> Petronijevic P., <i>Faculty of Civil Engineering and Architecture, University of Niš, Serbia</i>

3 papers (15 min + 5 min for comments every):

- **D.15 - Inverse kinematics solutions of robotic manipulators using Paden-Kahan subproblems and screw theory** – Todorovic V., Nesic N., Lazarevic M. ([10ICSSM - Todorovic et al. - D](#))
- **D.16 - Analysis of steel plate girders subjected of patch loading with geometrical and structural imperfections** – Turnic D., Spasojevic Surdilovic M., Zivkovic S., Petrovic Z., Petronijevic P. ([10ICSSM - Turnic et al. - D](#))
- **D.10 - Different types of the deformed exponential functions in the statistical mechanics** – Rajkovic P., Marinkovic S., Stankovic M. ([10ICSSM - Rajkovic et al. - D](#))

<b>Day 3, June 20</b>	<b>Session M1, Room:</b>
<b>10:25 - 11:45</b>	<b>Chairs:</b> Atansovska I., MISASA, Belgrade, Serbia, Fu Z., College of Mechanics and Engineering Science, Hohai University, China

4 papers (15 min + 5 min for comments every):

- **M.1.2 - Shear striping phenomena in viscoelastic liquid crystal elastomers** – Cajic M., Karlicic D., Paunovic S. ([10ICSSM - Cajic et al. - M1](#))
- **M.1.4 - A finite electro-viscoelastic model for nematic liquid crystal elastomers** – Karlicic D., Cajic M., Paunovic S. ([10ICSSM - Karlicic et al. - M1](#))
- **M.1.6 - Application of soft MREs for magnetically induced actuation with implementation in FEniCSx** – Paunovic S., Karlicic D., Cajic M. ([10ICSSM - Paunovic et al. - M1](#))



- M.1.7 - **Inertial amplification effects on wave dispersion in metastructures with elastic and rigid segments** – Rosic N., Karlicic D., Lazarevic M. ([10ICSSM - Rosic et al. - M1](#))

<b>Day 3, June 20</b> <b>10:25 - 11:45</b>	<b>Session M2, Room:</b> <b>Chairs: Ilić D.</b> , Faculty of Mechanical Engineering, University of Belgrade, Belgrade, Serbia and <b>Bikić S.</b> , Faculty of Agriculture, University of Novi Sad, Novi Sad, Serbia
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4 papers (15 min + 5 min for comments every):

- M.2.5 - **A short discussion on the circulation in the turbulent swirling flow in the axial fan jet** – Jankovic N., Cantrak Dj, Ilic D. ([10ICSSM - Jankovic et al. - M2](#))
- M.2.7 - **Numerical study of natural convection in a square enclosure with a circular cylinder at different vertical positions** – Milosavljevic N., Radenkovic D. ([10ICSSM - Milosavljevic and Radenkovic - M2](#))
- M.2.3 - **Analysis of turbulent swirling flow in a pipe downstream of an axial fan impeller: experimental and numerical approach** – Bulajic M., Jankovic N., Lecic L., Cantrak Dj. ([10ICSSM - Bulajic et al. - M2](#))
- M.2.1 - **PIV experiment in a scaled operating room with laminar airflow ventilation** – Angiero T., Discetti S., Ianiro A. ([online](#)) ([10ICSSM - Angiero et al. - M2](#))

<b>11:45 - 12:15</b>	<b>Coffee Break</b> (At the lobby area of sixth floor FME)
<b>Day 3, June 20</b> <b>12:15 - 12:40</b>	<b>Closing Ceremony</b> Room: 611 FME