



10th ICSSM Technical programme

Day 1, June 18, 2025

08:00 - 09:40	Registration At the registration desk in the Scientific Technology Park (STP)
09:40 - 10:10	Opening Ceremony • Prof. Srboľjub Simić, President of SSM • Prof. Vladimir Stojanović, President of the Organizing Committee • Prof. Goran Janevski, Dean of the Faculty of Mechanical Engineering (FME), University of Niš
10:15 - 11:00	Plenary Lecture A robust shell finite element and nonlocal approaches in mechanics - Prof. J.N. Reddy, <i>Texas A&M University, College Station, Texas, USA</i> (10ICSSM-Reddy)
11:00 - 11:15	Short technical break
11:15 - 12:00	Plenary Lecture Resolution of the twentieth century conundrum in elastic stability – Prof. I. Elishakoff, <i>Florida Atlantic University, Boca Raton, Florida, USA</i> (10ICSSM-Elishakoff)
12:00 - 13:10	Buffet lunch (At the foyer of the Scientific Technology Park)
13:10 - 13:55	Plenary Lecture Modeling of contact fatigue fracture of deformable bodies in frictional interaction – Prof. I. Goryacheva, <i>Ishlinsky Institute for Problems in Mechanics RAS, Moscow, Russia</i> (10ICSSM- Goryacheva)
14:00 - 15:00	Session for Laureate for Rastko Stojanović Award • C.5 - Comparative vibration stability analysis of a complex moving object with two novel stabilizers – <i>Milic D.</i> (10ICSSM - Milic - C) • B.13 - Infragravity waves – <i>Vrecica T.</i> (10ICSSM - Vrecica - B)
15:00 - 15:30	Coffee Break (transfer from the STP to the FME building)
15:30 - 16:30	Parallel Sessions
Day 1, June 18 15:30 - 16:30	Session A, Room: Chairs: Gajic B., Mathematical Institute SANU, Belgrade, Serbia

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

- A.1 - On a stability of the beams with and without elastic foundation– *Berecki A., Mihok S., Rehlicki Lukesevic L.* (10ICSSM - Berecki et al. - A)
- A.2 - On the properties of friction to maintain the state of rest of a tripod on a rough surface – *Dosaev M.* (10ICSSM - Dosaev-A)



- **A.3 - Bridging mechanics with statistics and geometry** – *Dragovic V., Gajic B.* (10ICSSM - [Dragovic and Gajic - A](#))

Day 1, June 18 15:30 - 16:30	Session M4, Room: Chairs: <i>Nestorovic T., Mechanics of Adaptive Systems, Ruhr-Universität Bochum, Germany and Simonovic J., Faculty of Mechanical Engineering, University of Nis, Serbia</i>
---	---

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

- **M.4.1 - Motion analysis of a single-mass vibro impact system** – *Garic Lj, Nesic N., Lekic J., Jovanovic S., Stosovic D.* (10ICSSM - [Garic et al. - M4](#))
- **M.4.2 - Asymptotic methods of nonlinear mechanics through a series of scientific projects, magister's and doctoral dissertations: nonlinear phenomena, trigger of coupled singularities and frequencies as bifurcation parameters** – *Stevanovic Hedrih K.* (10ICSSM - [Hedrih \(Stevanovic\) - M4](#))
- **M.4.4 - Elliptical, circular orbits and applications** – *Mateljevic M.* (10ICSSM - [Mateljevic - M4](#))

Day 1, June 18 15:30 - 16:30	Session D, Room: Chairs: <i>Slavkovic N., Faculty of Mechanical Engineering, University of Belgrade, Serbia</i>
---	--

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

- **D.1 - Critical temperature of FGM plates resting on elastic foundations using layerwise finite element** – *Cetkovic M.* (10ICSSM - [Cetkovic - D](#))
- **D.2 - A system engineering approach for robot manipulator design using game engine simulation and computational modelling** – *Devic A., Vidakovic J., Slavkovic N., Lazarevic M., Zivkovic N.* (10ICSSM - [Devic et al. - D](#))
- **D.3 - Ballistic impact of fragment-simulating projectiles on steel targets: a multi-approach study** – *Elek P., Markovic M., Jevtic D., Djurovic R.* (10ICSSM - [Elek et al - D](#))

Day 1, June 18 15:30 - 16:30	Session M3, Room: Chairs: <i>Dosaev M., Institute of Mechanics of Lomonosov Moscow State University, Russia</i>
---	--

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

- **M.3.1 - Deformation of human chest as an elastic truss** – *Alpatov I., Dosaev M., Samsonov V., Vorobyeva E., Dubrov V.* (10ICSSM - [Alpatov et al. - M3](#))
- **M.3.2 - Numerical simulations of blood flow in vessels with different geometries** – *Antonova N., Xu D.* (10ICSSM - [Antonova and Xu - M3](#))
- **M.3.3 - A continuous-time SIS criss-cross model of co-infection in a heterogeneous population** – *Choiński M.* (10ICSSM - [Choinski - M3](#))

16:30 - 17:00	Coffee Break (At the lobby area of sixth floor FME)
17:00- 18:20	Parallel Sessions
Day 1, June 18 17:00 - 18:25	Session M2, Room: Chairs: <i>Cantrak Dj., Faculty of Mechanical Engineering, University of Belgrade, Belgrade, Serbia and Pei J., National Research Center of Pumps, Jiangsu University, Zhenjiang, Jiangsu Province, China</i>



Day 1, June 18 17:00 - 17:40	Invited lecture M.2.9 - Towards the characterisation of flow perturbation transmission in convergent nozzles affecting free water jet surfaces – Bernhard Semlitsch, <i>TU Wien, Institute of Energy Systems and Thermodynamics, Austria</i> (10ICSSM - Semlitsch - M2)
---	--

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

- **M.2.10 -Comparison of noise spectra of the flow past a cylinder computed by different turbulence models** – Svorcan J., Vilotijevic V. ([10ICSSM - Svorcan and Vilotijevic - M2](#))
- **M.2.2 -Application of air torque position dampers for airflow measurement** – Bikic S., Radojcin M., Pavkov I., Debski H., Al Afif R. ([10ICSSM - Bikic et al. - M2](#))

Day 1, June 18 17:00 - 18:20	Session B, Room: Chairs: <i>Bogdanovic Jovanovic J., Faculty of Mechanical Engineering, University of Nis, Serbia and Kocic M., Faculty of Mechanical Engineering, University of Nis, Serbia</i>
---	--

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

- **B.1 - Gas flow blockage in the near-wellbore region: Freshwater stimulation against the salting-out effect** – Afanasyev A., Grechko S. ([10ICSSM - Afanasyev et al. - B](#))
- **B.2 - Influence of rotation on drag coefficient and unsteady flow around an NFL ball** – Begovic V., Miljkovic P., Stamenkovic Z., Kocic M. ([10ICSSM - Begovic et al. - B](#))
- **B.3. - Iterative procesure for determinig meridional streamlines of averaged flow in a turbomachine impeller** – Bogdanovic Jovanovic J., Stamenkovic Z., Kocic M., Petrovic J. ([10ICSSM - Bogdanovic Jovanovic et al. - B](#))
- **B.9. - Numerical investigation of fluid mixing in a micromixer using CFD simulations** – Mirovic M., Begovic V., Miljkovic P., Sreckovic D. ([10ICSSM - Mirovic et al. - B](#))

Day 1, June 18 17:00 - 18:00	Session M3, Room: Chairs: <i>Antonova N. M., Institute of Mechanics Bulgarian Academy of Sciences, Sofia, Bulgaria</i>
---	--

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

- **M.3.4 - The physics of intelligence: can the fermionic mind hypothesis provide a theoretical framework for understanding consciousness?** – Déli E., Kiss Z. ([10ICSSM - Deli and Kiss - M3](#))
- **M.3.6 - FSI analysis of parametric stent geometry influence on WSS-induced in-stent restenosis** – Khairulin A., Kuchumov A. ([10ICSSM - Khairulin and Kuchumov - M3](#))
- **M.3.5 - Modelling zona pellucida as a thermosensitive polymer under mechanical load** – Hedrih A., Jovanovic Dj. ([10ICSSM - Hedrih and Jovanovic - M3](#))

Day 1, June 18 17:00 - 18:00	Session M4, Room: Chairs: <i>Lazarevic M., Faculty of Mechanical Engineering, University of Belgrade, Serbia and Simonovic J., Faculty of Mechanical Engineering, University of Nis, Serbia</i>
---	---

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

- **M.4.6 - Model identification of a locally nonlinear structure** – Nestorovic T., Ul-Hasnain A., Oveisi A. ([10ICSSM - Nestorovic et al. - M4](#))



- **M.4.7 - Nonlinear pushover analysis: Assessment of a moment-resisting steel frame** – Slavkovic K., Zoric A., Trajkovic Milenkovic M., Petronijevic P. (10ICSSM - Slavkovic et al. - M4)
- **M.4.5 - Nonlinear vibration of a platform system with non-ideal motor** – Nesic N., Simonovic J., Lima J., Balthazar J.M., Tusset A.M. (10ICSSM - Nesic et al. - M4)

Day 2, June 19, 2025

Day 2, June 19 09:00 - 09:45	Plenary Lecture Room: 611 FME Dynamic Stability of Structures under Multi-Hazards – Prof. J. Deng, <i>Lakehead University, Thunder Bay, Ontario, Canada</i> (10ICSSM- Deng)
09:45 - 10:00	Short technical break
Day 2, June 19 10:00 - 10:45	Plenary Lecture Room: 611 FME Strain-gradient crystal plasticity models for predicting microstructure, length-scale, and strain path sensitive deformation behavior of polycrystalline metals – M. Knezevic, <i>University of New Hampshire, USA</i> , (10ICSSM- Knezevic)
10:45 - 11:15	Coffee Break
11:15 - 12:45	Parallel Sessions
Day 2, June 19 11:15 - 12:45	Session B, Room: Chairs: Madjarevic D , <i>Faculty of Technical Science, University of Novi Sad, Serbia</i>

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

- **B.4 - Numerical solutions of compressible gas flow in microtube in the continuum regime** – Guranov I, Milicev S., Stevanovic N. (10ICSSM - Guranov et al. - B)
- **B.5 - Magnetohydrodynamic (MHD) flow and heat transfer of electrically conducting micropolar fluid in a parallel plate channel with induced magnetic field** – Kocic M., Stamenkovic Z., Bogdanovic Jovanovic J., Petrovic J., Nikodijevic Djordjevic M. (10ICSSM - Kocić et al. - B)
- **B.6 - A macroscopic multi-temperature model with transport properties in comparison with kinetic models in the context of binary mixtures** – Madjarevic D. (10ICSSM - Madjarevic - B)
- **B.7 - On the modelling of korteweg fluids** – Matic Z., Simic S. (10ICSSM - Matic and Simic - B)

Day 2, June 19 11:15 - 12:45	Session C, Room: Chairs: Dunic V , <i>Faculty of Engineering, University of Kragujevac, Serbia</i>
---	---

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

- **C.1 - Phase-field modeling of concrete: numerical simulation and experimental verification** – Dunic V., Zivkovic M., Rakic D., Milovanovic V. (10ICSSM - Dunic et al. - C)



- C.2 - Prediction of free-edge stresses in composite laminates using full-layerwise-theory-based finite elements – Jocić E., Živković M., Marjanović M. (10ICSSM - Jocić et al. - C)
- C.3 - An estimate of penetration depth of rigid rods through materials susceptible to microcracking: Part 1 – theory – Mastilović S. (10ICSSM - Mastilović - C-1)
- C.4. - An estimate of penetration depth of rigid rods through materials susceptible to microcracking: Part 2 – validation and parameter sensitivity – Mastilović S. (10ICSSM - Mastilović - C-2)

Day 2, June 19 11:15 - 12:45	Session D, Room: Chairs: Lazarević M., Faculty of Mechanical Engineering, University of Belgrade, Serbia and Pavlović I., Faculty of Mechanical Engineering, University of Niš, Serbia
---	---

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

- D.4. - Trapezoidal control for prevention of unwanted vibrations of mechanical systems – Formalskii A., Selyutskiy Y. (10ICSSM - Formalskii and Selyutskiy - D)
- D.5. - Motion analysis of a vibratory conveyor's trough during its operation – Ilić U., Lazarević M., Veg E., Despotović Z. (10ICSSM - Ilić - D)
- D.6. - PSO-based resonant controller for trajectory tracking of robot manipulator – Mandić P., Lazarević M., Sekara T. (10ICSSM - Mandić et al-D)
- D.12 - Motion control of a copter with a slung load partially filled with liquid – Selyutskiy Y., Lokshin B., Holub A. (10ICSSM - Selyutskiy et al. - D)

Day 2, June 19 11:15 - 13:05	Session M1, Room: Chairs: Paunović S., MISASA, Belgrade, Serbia and Liang Y., College of Mechanics and Engineering Science, Hohai University, Nanjing, China
---	---

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

- M.1.1 - An overview of coupled mechanical problems including contact phenomena solved by FEA – Atanasovska I. (10ICSSM - Atanasovska - M1)
- M.1.3 - Machine-learning-based optimization design of combined seismic metamaterials – Fu Z., Ding Y., Chen H. (10ICSSM - Fu et al.- M1)
- M.1.8 - Upscaling anomalous transport in fractured media using fractional advection-dispersion equation model – Sun H.G. (10ICSSM - Sun - M1)
- M.1.5 - Simulation of thermal field in mass concrete structures with cooling pipes by the localized meshless method – Lin J., Hong Y.X. (10ICSSM - Lin and Hong- M1)
- M.1.9- Data-driven diffusion law for multiscale dynamics in granular materials via an improved deep physical symbolic regression– Yan S., Liang Y. (10ICSSM - Yan and Liang - M1)



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

Day 2, June 19 12:45 - 14:00	Buffet lunch (At the lobby area of sixth floor FME)
13:15-14:00	Sponsor Presentation (At the lobby area of sixth floor FME) Prager Elektronik, Wolkersdorf, Austria https://www.prager-elektronik.at/en/
Day 2, June 19 14:00 - 14:45	Plenary Lecture Room: 611 FME Global Nonlinear Dynamics in the Analysis and Safety of Multistable Dynamical Systems – P. B. Gonçalves, <i>Pontifical Catholic University of Rio de Janeiro, Brasil</i> (10ICSSM- Gonçalves)
14:50 - 16:10	Parallel Sessions
Day 2, June 19 14:50 - 16:10	Session B, Room: Chairs: <i>Petrovic J, Faculty of Mechanical Engineering, University of Niš, Serbia and Kocic M, Faculty of Mechanical Engineering, University of Niš, Serbia</i>

- B.10 - **Particle dynamics in inertial microfluidics: review of forces and channel design principles** – Oluski N., Zivkov A., Kozomora V., Bukurov M., Tasin S. (10ICSSM - Oluski et al. - B)
- B.11 - **EMHD convection of a trihybrid nanofluid through a porous medium in a vertical channel with thermal radiation** – Petrovic J., Nikodijevic Djordjevic M., Kocic M., Bogdanovic Jovanovic J., Stamenkovic Z. (10ICSSM - Petrovic et al-B)
- B.12 - **Stability analysis of the generalized washburn equation**– Rapajic I., Simic S. (10ICSSM - Rapajic and Simic - B)
- B.14 - **Numerical simulation of isothermal rarefied gas flow between two plates** – Vulicevic P., Milicev S., Stevanovic N. (10ICSSM - Vulicevic et al. - B)

Day 2, June 19 14:50 - 16:10	Session C, Room: Chairs: <i>Tomovic A, Faculty of Mechanical Engineering, University of Belgrade, Serbia and Pavlovic I, Faculty of Mechanical Engineering, University of Niš, Serbia</i>
---	--

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

- C.6 - **Energy based fatigue damage model** – Perovic Z., Coric S., Koprivica M. (10ICSSM - Perovic et al. - C)
- C.7 - **Vibration characteristics of 3D printed stepped cantilever beam** – Pjevic M., Tomovic A., Veg M., Zoric N., Popovic M. (10ICSSM - Pjevic et al. - C)
- C.8 - **Vibration characteristics of an optimized cantilever beam** – Tomovic A., Pjevic M., Veg M., Obradovic A., Mitrovic Z. (10ICSSM - Tomovic et al. - C)
- C.9 - **Predictive reanalysis in structural dynamics** – Trisovic N., Mankovits T., Petrovic A. (10ICSSM - Trisovic et al. - C)

Day 2, June 19 14:50 - 16:10	Session D, Room: Chairs: <i>Simic V, Institute for Information Technologies, University of Kragujevac, Serbia</i>
---	--

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



- D.11 - **Truss structure optimization using particle swarm optimization with direct FEM coupling** – *Ristic O., Trisovic N.* (10ICSSM - Ristic and Trisovic - D)
- D.8 - **Data-driven nonlinear modelling of recycled aggregate concrete-filled steel tube columns** – *Nikolic J., Tosic N., Kostic S.* (10ICSSM - Nikolic et al. - D)
- D.9 - **Design and experimental verification of the composite blade of the main rotor of an unmanned helicopter** – *Radulovic R., Milic M.* (10ICSSM - Radulovic and Milic - D)
- D.17 - **ILC-MPC controller for robotic manipulators based on the ultra-local model** – *Zivkovic N., Lazarevic M., Vidakovic J., Mandic P.* (10ICSSM - Zivkovic et al. - D)

Day 2, June 19 14:50 - 16:10	Session M2, Room: Chairs: <i>Svorcan J.</i> , Faculty of Mechanical Engineering, University of Belgrade, Belgrade, Serbia and <i>Semlitsch B.</i> , Institute of Energy Systems and Thermodynamics, TU Wien, Vienna, Austria
Day 2, June 19 14:50 - 15:30	Invited lecture M.2.4 - Approaching a modified swarm intelligence in hydraulic optimization of an inline pump , <i>Xingcheng Gan</i> , Coauthors: <i>Prof. Ji Pei</i> , <i>Assoc. Prof. Wenji Wang</i> , <i>Prof. Jia Chen</i> and <i>Prof. Shouqi Yuan</i> , National Research Center of Pumps, Jinagsu University, China (10ICSSM - Gan - M2)

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

- M.2.6 - **LES for modelling wind flow in urban block: accuracy, challenges and applications** – *Kostadinovic Vranesevic K., Jockovic M., Glumac A.* (10ICSSM - Kostadinovic Vranesevic et al. - M2)
- M.2.11 - **Transient simulation on internal flow characteristics and pressure pulsation of variable speed Francis turbines during acceleration process** – *Wang W., Liu S., Pei J.* (10ICSSM - Wang et al. - M2)

16:10 - 16:20	Short technical break
16:20 - 17:20	Parallel Sessions
Day 2, June 19 16:20- 17:20	Session A, Room: Chairs: <i>Spasic D.</i> , Faculty of Technical Science, University of Novi Sad, Serbia

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

- A.5 - **New rheological discrete dynamic systems of the fractional type rheological oscillator or creeper type: An overview of author's new research results** – *Stevanovic Hedrih K.* (10ICSSM - Hedrih (Stevanovic) - A)
- A.4 - **Magnetic flows on spheres** – *Dragovic V., Gajic B., Jovanovic B.* (10ICSSM - Dragovic et al. - A)
- A.6 - **A simple engineers-friendly method for non-holonomic systems** – *Spasic D.* (10ICSSM - Spasic - A)

Day 2, June 19 16:20 - 17:20	Session D, Room: Chairs: <i>Trisovic N.</i> , Faculty of Mechanical Engineering, University of Belgrade, Serbia
---	--

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

- D.7. - **Computational modeling of drug transport from drug coated ballons (DCB)** – *Milosevic M., Milicevic B., Simic V., Nikolic A., Filipovic N., Kojic M.* (10ICSSM - Milosevic et al. - D)



- D.13 - **Computational modeling and parametric study of circulating tumor cells motion through capillaries and interaction with non/ thrombin activated platelets** – *Simic V., Milosevic M., Nikolic A., Ning S., Leonard F., Liu X., Kojic M.* ([10ICSSM - Simic et al. - D](#))
- D.14 - **Kinematics modeling of compliant and extensible stewart-like platform** – *Tanaskovic N., Lazarevic M., Krkljes D.* ([10ICSSM - Tanaskovic et al. - D](#))

Day 2, June 19 16:20 - 17:20	Session M4, Room: Chairs: <i>Nesic N., University of Pristina in Kosovska Mitrovica, Faculty of Technical Sciences, Serbia</i>
---	---

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

- M.4.3 - **A novel finite time stability analysis of a class nonlinear fractional order multi-state time delay systems: a new gronwall - bellman inequality approach** – *Lazarevic M., Pisl S., Radojevic D.* ([10ICSSM – Lazarevic et al. - M4](#))
- M.4.8 - **The influence of the radius of curvature on the forced oscillations of an elastically coupled system of two doubly curved shallow nano-shells** – *Stamenkovic Atanasov M., Simonovic J., Pavlovic I.* ([10ICSSM - Stamenkovic Atanasov et al. - M4](#))
- M.4.9 - **Convergence of analytical-numerical algorithm for inverse kinematics of Niryo One robot** – *Todorovic V., Nesic N., Jovic S.* ([10ICSSM - Todorovic et al. - M4](#))

Day 2, June 19 16:20 - 17:20	Session M3, Room: Chairs: <i>Dosaev M., Institute of Mechanics of Lomonosov Moscow State University, Russia</i>
---	--

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

- M.3.7 - **A tailed robot on three supports** – *Klimina L.* ([10ICSSM - Klimina - M3](#))
- M.3.8 - **A numerical study of the Belousov-Zhabotinsky reaction network** – *Macesic S., Ivanovic Sasic A., Cupic Z.* ([10ICSSM - Macesic et al. - M3](#))
- M.3.9 - **Biomechatronic system for monitoring eating behaviour** – *Magomedov M., Magomedov R.* ([10ICSSM - Magomedov and Magomedov - M3](#))

17:20 - 17:50	Coffee Break (At the lobby area of sixth floor FME)
Day 2, June 19 17:50 - 19:00	SSM Annual and Election Assembly Room: 611 FME
Day 2, June 19 17:50 - 19:00	Sightseeing tour Walk and Guided Tour of Niš Fortress
Day 2, June 19 19:30 - 22:00	Gala Dinner (The banquet hall at New City Hotel & Restaurant in Niš)



Day 3, June 20, 2025

Day 3, June 20 09:30 - 10:15	Plenary Lecture Room: 611 FME Dimension Reduction in Elasticity - R. Kienzler, <i>University of Bremen, Germany</i> , (10ICSSM- Kienzler)
10:15 - 10:25	Short technical break
10:25 - 11:45	Parallel Sessions
Day 3, June 20 10:25 - 11:25	Session C, Room: Chairs: 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., Salinic 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)

Day 3, June 20 10:25 - 11:25	Session D, Room: Chairs: 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)

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

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)

Day 3, June 20 10:25 - 11:45	Session M2, Room: Chairs: <i>Ilić D.</i> , Faculty of Mechanical Engineering, University of Belgrade, Belgrade, Serbia and <i>Bikić S.</i> , Faculty of Agriculture, University of Novi Sad, Novi Sad, Serbia
---	--

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)

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