

Schedule of Open Scientific Lectures in 2025
Department of Automation, Biomechanics, and Mechatronics (K11), Room 2M334
Faculty of Mechanical Engineering of TUL

DATE	TIME	SPEAKER	LECTURE TITLE
11.March	12:00	Paweł Olejnik	<i>Estimating the static friction law of a kinematically forced double torsion pendulum using PINNs ¹</i>
18.March	12:15	Adam Wijata	<i>Wykorzystanie narzędzi sztucznej inteligencji w pracy naukowca ²</i>
25.March	12:05	Majid Shahgholi	<i>HOT TOPICS IN SCIENCE AND TECHNOLOGY (W1): Chaotic and Nonlinear Vibrations in Continuous Rotating Systems with Active Magnetic Bearings (AMB) ¹</i>
8.April	12:15	Bartosz Stańczyk	<i>Innowacje w druku 3D: najnowsze trendy i technologie²</i>
15.April	12:15	Mohammad P. Rezaei	<i>Nonlinear Hencky's Beam Model For Beam Structures ¹</i>
29.April	12:15	Sayed M.M. Najafabadi	<i>Examining the Impact of Visual Perturbation Caused by Virtual Reality on Postural Stability ¹</i>
6.May	12:15	Bipin Balaram	<i>Filippov Method for Non-Smooth Systems ¹</i>
13.May	12:15	Yared D. Desta	<i>On the Relationships Between Friction-Induced Acoustic Waves and Vibrations: A Review with an Illustrative Experiment ¹</i>
20.May	12:15	<i>Open time slot</i>	
27.May	12:15	Paul Asir	<i>Physics in Automation and Biomechanics ¹</i>
3.June	12:15	Muhammad Umer	<i>Challenges and Solutions in Analytical Approaches for Nonlinear Systems ¹</i>
10.June	12:15	Muhammad J.U. Rehman	<i>Nonlinear Dynamics of 2DOF Mechanical Oscillators: Interactions of Parametric Excitation and Dry Friction¹</i>
17.June	12:15	Ali Fasihi	<i>Dynamics of Fluid Conveying Pipe ¹</i>

¹ English-language presentations will be prepared also for English-speaking guests of the department.

² Polish-language presentation.