September 21 - 1st International Workhop on the Refined Zigzag Theory

Time	Title	Authors
14:00	Progress in the Refined Zigzag Theory (RZT): International Efforts, Theoretical Innovations, Experimental Validations, and Practical Applications	Alexander Tessler
14:20	Experimental observations of zigzag effect in thick sandwich beams	Matteo Sorrenti, Marco Gaetani, Marco Gherlone
14:40	Geometrically nonlinear analysis of laminated composite plates based on enRZT	Heinz Wimmer, Christian Celigoj
15:00	Hierarchic large rotation shell model with warping and its application to glass laminates	Giovanni Garcea, Domenico Magisano
15:20	Break	
15:40	Refined Zigzag Theory for static and modal analysis of multi-layered composite and sandwich structures	Daniela Spinazzola, Giuseppe Credo, Marco Gherlone
16:00	Various neural network approaches for laminated composite plates using Refined Zigzag Theory	Sy-Ngoc Nguyen, Van-Hong Truong, Jaehun Lee, Alexander Tessler
16:20	Physics informed neural network for modeling laminated composite beams based on Refined Zigzag Theory	Gokay Aydogan, Merve Ermis, Mehmet Dorduncu
16:40	Mixed finite element formulations for modeling of laminated composite beams and plates by using Refined Zigzag Theory	Batuhan Yurtsever, Yonca Bab, Akif Kutlu, Mehmet Dorduncu

September 22 - 1st International Workhop on inverse Finite Element Method, Shape, and Load Sensing

Time	Title	Authors
09:00	Progress in the inverse Finite Element Method (iFEM): International Efforts, Theoretical Innovations, Experimental Validations, and Practical Applications	Alexander Tessler
09:20	Application of iFEM for marine structures	Selda Oterkus, Erkan Oterkus
09:40	Monitoring of morphing structures using the inverse Finite Element Method	Vincenzo Biscotti, Rinto Roy, Marco Gherlone
10:00	DIMOSS (DIsplacement MOnitoring using Strain Sensors): an integrated iFEM software for Structural Health Monitoring	Marco Esposito, Rinto Roy, Cecilia Surace, Marco Gherlone
10:20	Region analysis for sensor placement support	Sören Meyer zu Westerhausen, Roland Lachmayer
10:40	Novel sensing and structural health monitoring applications of the iFEM methodology	Adnan Kefal