Felicia STAN

Professor, Ph.D. Eng.
Director, Center of Excellence Polymer Processing

Research Interest

- Computational and Experimental Fracture Mechanics
- Nano-Materials and Nanotechnology
- Materials Characterization (Micro-Nano Indentation, Rheology, Fracture, Damage and Adhesion)
- Manufacturing of Polymers and Polymer Nanocomposites
- Numerical Modeling of Materials and Manufacturing Processes

Education

- Ph.D., Mechanical Engineering, Kobe University of Mercantile Marine, Japan (2003)
- M.S., Mechanical Engineering, Numerical Modeling of Mechanical and Technological Processes, Dunarea de Jos University of Galati (1997)
- B.S., Mechanical Engineering Dunarea de Jos University of Galati (1996)

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Selected Publications

- Stan F., Rosculet, R.T., Fetecau C., 2019, Direct Current Method with Reversal Polarity for Electrical Conductivity Measurement of TPU/MWCNT Composites, Measurement, 136, 345-355.
- Stan F., Stanciu N.V., Fetecau C., 2017, Melt Rheological Properties of Ethylene-Vinyl Acetate/ Multi-Walled Carbon Nanotube Composites, Composites Part B Engineering, 110, 20-31.
- Stan F., Sandu L., Fetecau C., 2014, Effect of processing parameters and strain rate on mechanical properties of carbon nanotube-filled polypropylene nanocomposites, Composites Part B Engineering, 59 (2014) 109–122.
- Stan F., Fetecau C., 2013, Characterization of viscoelastic properties of molybdenum disulphide filled polyamide by indentation, Journal of Mechanics of Time-Dependent Materials, 17(2), 205-221.
- Stan F., Fetecau C., 2013, Study of stress relaxation in polytetrafluoroethylene composites by cylindrical macroindentation, Composites Part B: Engineering, 47, 298–307.