LATVIJAS UNIVERSITĀTE

79. Latvijas Universitātes starptautiskā zinātniskā konference

Durability of Advanced Polymer Composites

Otrdien, **2021. gada 16. februārī plkst. 10.00**,tiešsaitē
Tuesday, **16 February 2021, 10.00 AM**, online

Programma/Programme

Vadītājs/Chair: Dr.sc.ing. Tatjana Glaskova-Kuzmina		
10.00–10.15	**O. Starkova, S. Gaidukovs, O. Platnieks** *University of Latvia, Riga Technical University (Latvia)*	**Hydrothermal ageing effects on mechanical properties of bio-based poly(butylene succinate)/nanofibrillated cellulose-based polymer composites**
10.15–10.30	**T. Glaskova-Kuzmina, A. Aniskevich, A. Zotti, A. Borriello, M. Zarrelli** *University of Latvia (Latvia), Institute for Polymers, Composites and Biomaterials (Italy)*	**Hydrothermal ageing of the epoxy and basalt fibre/epoxy laminates filled with hybrid carbon nanofiller**
10.30–10.45	**A. Zotti, S. Zuppolini, A. Borriello, D. Borrelli, A. Caraviello, V. Vinti, M. Zarrelli** *Institute for Polymers, Composites and Biomaterials, Sòphia High Tech, Research Center Material Composites and Special and Innovative Processes (Italy)*	**Effect of GNPs dispersion on mechanical, fracture toughness and thermal conductivity properties of epoxy based nanocomposites**
10.45–11.00	**O. Bulderberga, A. Aniskevich** *University of Latvia (Latvia)*	**Stability of polymer epoxy matrix loaded with thermochromic microcapsules under UV**
11.00–11.15	**G. Monastyreckis and D. Zeleniakiene** *Kaunas University of Technology (Lithuania)*	**Multifunctional polymer composites coated with MXenes**
11.15–11.30	**S. Gaidukovs, S. Beļuns** *Riga Technical University (Latvia)*	**Advanced Materials from Nanocellulosic Networks**
11.30–11.45	**P. Shimpi, D. Zeleniakiene** *Kaunas*	**Structural health monitoring of 3D woven composites by carbon nanotube strain gauges**

	University of Technology (Lithuania)	
11.45–12.00	**S. Stankevich, A. Aniskevich, O. Bulderberga** *University of Latvia (Latvia)*	**Damage indication by electrical conductivity evaluation of CNT-modified glass reinforced plastic**
12.00–12.15	**O. Platnieks, A. Sereda, S. Gaidukovs** *Riga Technical University (Latvia)*	**Sustainable Biocomposites from Poly (butylene succinate) and Nanofibrillated Cellulose**
12.15–12.30	**A. Barkane, E. Kampe, M. Jurinovs, O. Platnieks, S. Gaidukovs** *Riga Technical University (Latvia)*	**Replacing petroleum-based components in UV-curable polymer inks without sacrificing performance**