

WORKSHOP 2021

20.06. - 26.06.2021, Koszalin University of Technology

9th International Workshop on Surface Engineering and 5th International Workshop on Applied and Sustainable Engineering

The International Workshop in the frame of CEEPUS (CIII-PL-0701) network runs from 20.06.2021 to 26.06.2021 in Koszalin, Poland. The workshop is held under the patronage of Professor Danuta Zawadzka, Rector of Koszalin University of Technology.

The goal of this year's workshops is to create a platform for communication and cooperation between Ph.D. students, dealing with various engineering branches. Using the involvement of scientists and teachers from partner institutions, we try to create a place for a creative exchange of ideas and experiences. We support the education of Ph.D. students by focusing on the development of engineering knowledge and cooperation skills in international environments.

Organising Committee

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Dariusz Lipiński
Wiesław Walkowiak
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Zuzana Palkova Slovak University of Agriculture in Nitra
Jan Valíček, Institute of Technology and Business in Ceske Budejovice

More information about the Workshop is available on workshop.tu.koszalin.pl



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Monday 21.06.2021

Chairman: prof. Błażej Bałasz

10:00 - 10:10 Workshop Opening - prof. Danuta Zawadzka (Rector of Koszalin University of Technology), prof. Dariusz Lipiński (Head of the Doctoral School KUT), prof. Krzysztof Rokosz (Faculty of Mechanical Engineering KUT)

10:10 - 10:30 Prof. Giorgi Baghaturia, *Some problems for partial differential equations of mixed type*, Georgian Technical University, Faculty of Business and Technology, Tbilisi, Georgia

10:30 - 10:50 MSc. Eng. Dušan Marko, *Simulation of mobile robot navigation in vineyard row in Matlab*, Slovak University of Agriculture in Nitra, Nitra, Slovakia

10:50 - 11:10 MSc. Eng. Damian Grzesiak, *Influence of rolling direction of 0H18N9 grade sheet on welding distortions*, Koszalin University of Technology, Faculty of Mechanical Engineering, Koszalin, Poland

11:10 - 11:30 MSc. Eng. Monica K. Gonzalez, *Experimental identification of the position-dependent dynamics of an industrial manipulator*, KTH Royal Institute of Technology, Department of Production Engineering, Stockholm, Sweden

11:30 - 11:50 MSc. Eng. Kamil Banaszek, *Analysis of grinding process with the use of multilayer grinding wheels with abrasive aggregates*, Koszalin University of Technology, Doctoral School, Koszalin, Poland

11:50 - 12:10 MSc. Eng. Nikolas A. Theissen, *Measurement and identification of stiffness matrices on machine tools and industrial manipulators under movement*, KTH Royal Institute of Technology, Department of Production Engineering, Stockholm, Sweden

Tuesday 22.06.2021

Chairman: prof. Tomasz Rydzkowski

10:00 - 10:20 Prof. Shaban Buza, *The impact of modern technologies in engineering design with focus on their implementation during the pandemic period*, University of Prishtina, Faculty of Mechanical Engineering, Prishtina, Kosovo

10:20 - 10:40 MSc. Eng. Elżbieta Kopczyńska, *Challenges on graphene oxide film in the food package system*, Koszalin University of Technology, Faculty of Mechanical Engineering, Koszalin, Poland

10:40 - 11:00 MSc. Eng. Patryk Hara, *Extracts from Artemisia vulgaris L. in Potato cultivation - preliminary research on biostimulating effect*, Koszalin University of Technology, Faculty of Mechanical Engineering, Koszalin, Poland

11:00 - 11:20 MSc. Eng. Malvina Roci, *Circular Manufacturing Systems: Modelling and simulation for enhanced decision-making*, KTH Royal Institute of Technology, Department of Production Engineering, Stockholm, Sweden

11:20 - 11:40 MSc. Eng. Joanna Kornacka, *Modification of polymeric materials with diamond nanostructures for packaging applications*, Koszalin University of Technology, Faculty of Mechanical Engineering, Koszalin, Poland

Wednesday 23.06.2021

Chairman: prof. Anna Zawada-Tomkiewicz

10:00 - 10:20 Ph. D. Patric Chapon, *Optics & Plasma for material characterisation*, HORIBA FRANCE SAS, France

10:20 - 10:40 MSc. Eng. Zeyu Lin, *Evaluating the electron beam spot size of electron beam melting for additive manufacturing*, KTH Royal Institute of Technology, Department of Production Engineering, Stockholm, Sweden

10:40 - 11:00 MSc. Eng. Dorota Laskowska, *Shaping the mechanical and surface properties of elements produced in additive manufacturing from metal powders*, Koszalin University of Technology, Doctoral School, Koszalin, Poland

11:00 - 11:20 MSc. Eng. Paweł Roszyk, *Influence of duplex plastic working on the technological properties of the Ti-6Al-4V alloy surface layer*, Koszalin University of Technology, Doctoral School, Koszalin, Poland

11:20 - 11:40 MSc. Eng. Piotr Zmuda-Trzebiatowski, *Influence of metal powder addition on PET-G material properties in FDM technology*, Koszalin University of Technology, Doctoral School, Koszalin, Poland

11:40 - 11:50 Workshop Closing - prof. Dariusz Lipiński (Head of the Doctoral School KUT), prof. Krzysztof Rokosz (Faculty of Mechanical Engineering KUT)



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