

Culture-Education-Science
Conference under the auspices of
Warsaw University of Technology (WUT) and Beijing Jiaotong University (BJTU)
organised by Confucius Institute, WUT
23 June 2021; Warsaw time - 8:30, Beijing time – 14:30, (Remote event)

FRAME PROGRAM (*details and order may be changed*)

1	<p>Opening ceremony with the participation of the Prof. Krzysztof Zaremba, Rector WUT and Prof. Jiaqiong Wang, President BJTU</p> <p>Presentation of the Universities: BJTU - Prof. Mingchao Xia, Director of Office of International Affairs, BJTU WUT - Grzegorz Robak, MSc, Director of Centre for International Cooperation WUT</p>
2	Parallel Sessions (S1, S2, S3)
S1	<p>Chairperson: Prof. Teresa Zielińska</p> <p>Presentation of School of Mechanical, Electronic and Control Engineering, Prof. Wenjing Wang, Vice Dean of School of Mechanical, Electronic and Control Engineering, BJTU</p> <p>Solar Energy in Buildings, Prof. Dorota Chwieduk, PhD DSc. Eng., Faculty of Power and Aeronautical Engineering, WUT; Chao Shen, Associate Professor, Harbin Institute of Technology.</p> <p>Presentation of School of Civil Engineering, Prof. Guoqing Cai, Vice Dean of School of Civil Engineering, BJTU</p> <p>On the energy efficiency of the buildings taking into account the environmental protection, Hanna Jędrzejuk, PhD DSc. Eng., Faculty of Power and Aeronautical Engineering, WUT; Prof. Yuanda Cheng, Taiyuan University of Technology.</p> <p>Technologies and Practices for Structural Assessment of Ancient Chinese Timber Buildings, Juan Wang, Associate Professor, School of Civil Engineering, BJTU</p> <p>Online detection of weld surface defects using modified principal component analysis and artificial feedforward neural network, Prof. Teresa Zielińska, PhD DSc. Eng. Faculty of Power and Aeronautical Engineering WUT; Prof. Weimin Ge, Prof. Xiaofeng Wang, Tianjin University of Technology.</p> <p>Parallel Robot hand for grasping and sorting, Xiaodong Jin, lecturer of School of Mechanical, Electronic and Control Engineering, BJTU</p> <p>Structure crashworthiness and occupant protection under impact loading conditions, Zhigang Li, Associate Professor, School of Mechanical, Electronic and Control Engineering, BJTU</p>
S2	<p>Chairperson - Prof. Mingchao Xia</p> <p>Presentation of the Faculty of Electronics and Information Technology, Prof. Cezary Zieliński, PhD DSc. Eng., WUT.</p> <p>Presentation of School of Electronic and Information Engineering. Prof. Bo Ai, Vice Dean of School of Electronic and Information Engineering, BJTU</p> <p>De-novo hybrid assembly algorithms (bioinformatics), Automatic analysis bowel sounds using deep neural networks (biomedical engineering, artificial intelligence), Robert Nowak, PhD DSc., Associate Professor, Faculty of Electronics and Information Technology, WUT.</p> <p>Recurrent and graph neural networks" Paweł Wawrzyński, PhD DSc. Eng., Faculty of Electronics and Information Technology, WUT.</p> <p>Presentation of School of Computer and Information Technology, Prof. Yidong Li, Vice Dean of School of Computer and Information Technology, BJTU</p> <p>Exploring electromagnetic response of nanostructural metamaterials Bartosz Janaszek, MSc Eng.; Marcin Kieliszczyk, MSc Eng.; Anna Tyszka-Zawadzka, PhD Eng.; prof. Paweł Szczepański, PhD DSc. Eng., Faculty of Electronics and Information Technology, WUT.</p> <p>Smart City, Piotr Pałka PhD Eng.; arch. Krzysztof Koszewski PhD DSc.; Robert Olszewski PhD DSc. Eng., Associate Professor; Renata Walczak, PhD DSc. Eng., Associate Professor, WUT.</p> <p>A Systems Approach to Refine Disease Taxonomy by Integrating Phenotypic and Molecular Networks, Prof. Xuezhong Zhou, School of Computer and Information Technology, BJTU</p>
S3	<p>Chairperson - Prof. Mikołaj Szafran</p> <p>Between challenges and achievements in processing of advanced ceramics and composites" Paulina Wicińska, PhD DSc., Eng., Associate Professor; Prof. Mikołaj Szafran, PhD DSc., Eng., Department of Chemical Technology, WUT.</p> <p>Presentation of School of Science, Prof. Kejian Ding, Vice Dean of School of Science, BJTU</p> <p>Old is beautiful! From forgotten obsolete dyes to modern organic electronic materials, Prof. Adam Proń, PhD DSc. Eng., Department of Polymer Chemistry</p> <p>Modification of bitumen with polymers Wiesława Ciesińska, PhD Eng.; Prof. Vasyl Matiychuk; Prof. Janusz Zieliński, PhD DSc. Eng., Faculty of Civil Engineering, Mechanics and Petrochemistry, WUT.</p> <p>Statistical methods in reliability evaluation, Prof. Wenhao Gui, School of Science, BJTU</p> <p>The design, synthesis of conjugated molecules for organic optoelectronic applications, Qihong Cui, Associate</p>

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	<p>professor, School of Science, BJTU</p> <p>The new research progress of Ti₂AlC_xNy MAX ceramic phases and its application in Mg composite, Wenbo Yu, Associate professor, School of Mechanical, Electronic and Control Engineering, BJTU</p> <p>Aeronautical research and education at the Faculty of Power and Aeronautical Engineering, Prof. Cezary Galiński PhD DSc. Eng., Faculty of Power and Aeronautical Engineering</p>
3	Students scientific associations and other activities
	<p>Chairperson - dr Joanna Kuźmicz</p> <p>HERBION, Faculty of Chemistry WUT, Biotechnology Student Interest Group "Herbion" - research projects and science communication,</p> <p>Photo multiplication type organic photodetectors based on charge tunnelling injection, Zijin Zhao, PhD student, School of Science, BJTU</p> <p>FLOGISTON, Faculty of Chemistry WUT, Tuning the catalytic properties of Metal-Organic Framework materials</p> <p>Study of high efficiency all-small-molecule organic photovoltaics, Chunyu Xu, PhD student, School of Science, BJTU</p> <p>SKAP, Faculty of Power and Aeronautical Engineering WUT, Perun electric motorbike project.</p> <p>SKA, Faculty of Power and Aeronautical Engineering WUT, A skyward journey with Students' Space Association.</p> <p>FIBER TEAM, Faculty of Electronics and Information Technology WUT</p> <p>Study of performance improvement and mechanism on photo multiplication type organic photodetectors, Kaixuan Yang, PhD student, School of Science, BJTU</p> <p>Narrowband NIR photo multiplication type organic photodetectors, Ming Liu, Master's student, School of Science, BJTU</p>
4	Culture
	<p>Chairperson – Prof. Yuntong Wang</p> <p>"Poetic China- Chinese Literati Painting and Private Gardens"</p> <p>Prof. Qinxiang Gao, BJTU, Chinese Director at Confucius Institute at Campinas University, Brazil.</p>