Workshop on **SPS** and **HPHT**

sintering

Workshop Programme

10th May 2024

Łukasiewicz – Krakow Institute of Technology, 37a Wroclawska St., 30-011 Kraków, Poland

09:00 09:40	**Registration**	
09:40 09:50	Workshop opening	Professor **Katarzyna M. Marzec** - Director of Łukasiewicz Research Network – Krakow Institute of Technology
09:50 10:10	Presentation of the technological possibilities of the Sintering Technology Center	Professor **Piotr Klimczyk** - Łukasiewicz Research Network – Krakow Institute of Technology
10:10-11.10	**Invited speeches**	
10:10 10:40	Professor **Lucyna Jaworska** – AGH University of Krakow *High-pressure phases in sintered materials based on zirconium and their impact on properties*	
10:40 11:10	Professor **Dariusz Garbiec** – Łukasiewicz – Poznań Institute of Technology *Overview of tools for spark plasma sintering*	
11:10 11:30	**Coffee break**	
11:30 11:45	Professor **Anatoli I. Popov**, **Marina Konuhova**, PhD Eng. - Institute of Solid State Physics University of Latvia *Functional Ceramics for Fusion Application*	
11:45 12:00	**Anna Kopeć-Surzyn**, MSc. Eng. - AGH University of Krakow *High-entropy alloys manufactured using the SPS method*	
12:00 12:15	**Maria Wiśniewska**, MSc. Eng. - Łukasiewicz – Poznań Institute of Technology *Complex-shaped ceramic matrix composites manufactured by spark plasma sintering*	
12:15 12:30	**Jakub Wiśniewski**, MSc. Eng. - Łukasiewicz – Poznań Institute of Technology *BTC composites for cutting operations obtained from WC-Ti powders by HEBM/SPS technology*	
12:30 12:45	**Wiktoria Krzyżaniak**, MSc. Eng. - Łukasiewicz – Poznań Institute of Technology *Application of FAST/SPS in the production of components for potassium-ion batteries*	
12:45 13:00	**Bohdan Sadovyi**. PhD Eng. - Institute of High Pressure Physics, Polish Academy of Sciences *High-pressure studies of nitride semiconductors: achievements and prospects*	
13:00 13:40	**Lunch**	
13:40 16:00	Presentation of sintering equipment and workshops on devices	