



**International, Online Conference on  
Design, Automation, Manufacturing, Management, Exploitation,  
Testing and Creation in Polytechnical Research  
DAMMETaC 2022**

**Department of Engineering Processes Automation and Integrated  
Manufacturing Systems,  
Faculty of Mechanical Engineering,  
Silesian University of Technology**

**PROGRAM OF THE CONFERENCE**

| <b>FIRST DAY OF CONFERENCE</b> |                                     |                                                                                                                          |                     |                                     |
|--------------------------------|-------------------------------------|--------------------------------------------------------------------------------------------------------------------------|---------------------|-------------------------------------|
| <b>22.08.2022r.</b>            |                                     |                                                                                                                          |                     |                                     |
| <b>No.</b>                     | <b>NAME AND SURNAME</b>             | <b>TITLE OF PRESENTATION</b>                                                                                             | <b>DATE</b>         | <b>TIME</b>                         |
|                                | Prof. Aleksander Gwiazda - Chairman | Welcome speech                                                                                                           | 22.08.2022r.        | 10.00                               |
|                                |                                     | <b>SESSION A</b>                                                                                                         | <b>22.08.2022r.</b> | <b>10.20</b>                        |
|                                | Prof. Jarosław Śmieja               | Welcome speech                                                                                                           | 22.08.2022r.        | 10.20                               |
| <b>1.</b>                      | Roksela Anna                        | Automatisation of rehabilitation pelvic floor muscles with telemedicine                                                  | 22.08.2022r.        | 10.40 (10 minutes for presentation) |
| <b>2.</b>                      | Marcel M. Smoliński                 | Research and development of a multifunctional orthopedic and neurological patient stabilizer for rehabilitation purposes | 22.08.2022r.        | 10.55 (10 minutes for presentation) |



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|----|---------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|--------------|-------------------------------------|
| 3. | Magdalena Bączkiewicz                             | Zarządzanie procesem wieloprojektowym                                                                                              | 22.08.2022r. | 11.10 (10 minutes for presentation) |
| 4. | Mirosław Szewczyk                                 | Identyfikacja oraz badania symulacyjne układu zadawania ciśnienia w układzie hydrauliki siłowej                                    | 22.08.2022r. | 11.25 (10 minutes for presentation) |
|    |                                                   | <b>BREAK</b>                                                                                                                       | 22.08.2022r. | 15 minutes                          |
|    |                                                   | <b>SESSION B</b>                                                                                                                   | 22.08.2022r. | 11.55                               |
|    | Andrzej Zając – Prezes - Allcomp Polska Sp z o.o. | <u>Invited presentation</u><br>Systemy do rozkroju surowca tekstylnego                                                             | 22.08.2022r. | 11.55                               |
| 1. | Barbara Balon                                     | Zastosowanie technologii blockchain w planowaniu zasobów produkcyjnych                                                             | 22.08.2022r. | 12.15 (10 minutes for presentation) |
| 2. | Kamil Dworak                                      | Badania odzysku energii elektrycznej przy testach sprawnościowych układów hydraulicznych dużej mocy                                | 22.08.2022r. | 12.30 (10 minutes for presentation) |
| 3. | Paweł Radzik                                      | Compatibility of seals with various types of medium used in hydraulic systems                                                      | 22.08.2022r. | 12.45 (10 minutes for presentation) |
| 4. | Arkadiusz Żuczek                                  | Wykorzystanie narzędzi systemu CAD do konstruowania zasilaczy hydraulicznych – na przykładzie oprogramowania SIEMENS SOLID EDGE ST | 22.08.2022r. | 13.00 (10 minutes for presentation) |



| SECOND DAY OF CONFERENCE |                                           |                                                                                                            |              |                                           |
|--------------------------|-------------------------------------------|------------------------------------------------------------------------------------------------------------|--------------|-------------------------------------------|
| 23.08.2022r.             |                                           |                                                                                                            |              |                                           |
| No.                      | NAME AND<br>SURNAME                       | TITLE OF PRESENTATION                                                                                      | DATE         | TIME                                      |
|                          |                                           | SESSION C                                                                                                  | 23.08.2022r. | 10.00                                     |
|                          | Prof. Aleksander<br>Gwiazda -<br>Chairman |                                                                                                            | 23.08.2022r. | 10.00                                     |
| 1.                       | Karolina<br>Wrześniowska                  | Custom shoe last design – the geometry of<br>last                                                          | 23.08.2022r. | 10.05 (10<br>minutes for<br>presentation) |
| 2.                       | Artem Balashov                            | Solving redefined engineering tasks with<br>heuristic approach                                             | 23.08.2022r. | 10.20 (10<br>minutes for<br>presentation) |
| 3.                       | Hima Mallisetty                           | Low power laser processing on foam<br>materials                                                            | 23.08.2022r. | 10.35 (10<br>minutes for<br>presentation) |
| 4.                       | Damian<br>Twarowski                       | Computer aided modeling of industrial<br>processes with the use of FlexSim                                 | 23.08.2022r. | 10.50 (10<br>minutes for<br>presentation) |
| 5.                       | Tolera Degefa                             | Assumptions of a system for traffic<br>monitoring based on a road infrastructure<br>vibration measurements | 23.08.2022r. | 11.05 (10<br>minutes for<br>presentation) |
|                          |                                           | Closing                                                                                                    | 23.08.2022r. | 11.20                                     |