

## ICNFT 2018 - 5th International Conference on New Forming Technology

### Poster Session 19<sup>th</sup> September

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|---|---|
| 1 | A New Cross Wedge Rolling Process for Producing Rail Axles<br>Zbigniew Pater   Lublin University  |
| 2 | Numerical modelling of T-pipe joints forming<br>Jaroslaw Bartnicki   Lublin University  |
| 3 | Process chain for the fabrication of hardenable aluminium-zirconium micro-components by deep drawing<br>Anastasiya Toenjes   Leibniz-IWT Bremen                           |
| 4 | Characterization of semifinished products and micro components<br>Bernd Koehler   Leibniz-IWT Bremen  |
| 5 | Energy of Laser Induced Shockwaves<br>Tobias Czotscher   BIAS Bremen  |
| 6 | Investigation of a partial, inductive short-time heat treatment of thin metal sheets integrated into the forming process<br>Benjamin Clausius   University Stralsund      |
| 7 | Push-bending Process and Forming Quality of Stainless-steel Tubes<br>Guo-qing Chen   Dalian University of Technology  |
| 8 | A new approach for dry metal forming: CO <sub>2</sub> as volatile lubrication in combination with hard and low friction coatings<br>Gerd Reichardt   University Stuttgart |
| 9 | Hot stretch forming of titanium sheet by resistance heating<br>Xiaoqiang Li   Beijing University  |

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### Postersession II 20<sup>th</sup> September:

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| 10 | Determining the Factor Parameters of Vertical Wall Curvature in Forming of High Strength Steels<br>Ahmet Yilmaz   Beyçelik Gestamp Teknoloji ve Kalıp A.Ş, R&D Department                            |
| 11 | Studies on the use of the 3rd generation TBF steel in the automotive industry<br>İmren Ozturk Yilmaz   Beyçelik Gestamp Inc.   |
| 12 | A unified constitutive model for two-phase titanium alloys under hot stamping condition<br>Haitao Qiu   Imperial College London  |
| 13 | Effect of deformation parameters on grain size of 6082 aluminium alloy undergoing deformation-solution-aging process<br>Xinyun Wang, Lei Deng   Huazhong University of Science and Technology, Wuhan |
| 14 | Comparison Between “Core Mandrel” Flow Forming and Conventional Flow Forming Methods<br>Aybüke Gülen   REPKON Machine and Tool Industry and Trade Inc.   |
| 15 | Enhanced Electromagnetic Properties and Electronic of Nickel Ion Intercalating in Manganese Dioxide Tunnel-structured Manganese Oxides<br>Yuping Duan   Dalian University of Technology              |
| 16 | Analysis of superplastic behavior and microstructure of the deformed 2A97 Al-Cu-Li alloy<br>Zhang Yanling   AVIC Manufacturing Technology Institute, Beijing   |
| 17 | Evaluation of Stretch Flangeability of a Dual phase steel using Simulation of Hole expansion test<br>B. V. Rao   Indian Institute of Technology Madras   |