



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 723517

Low Cost Materials Processing Technologies for Mass Production of Lightweight Vehicles

Newsletter n.2

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LOCOMATECH Highlights: Project Results Spreading Around The World

Conference on Materials and Manufacturing in Automotive Industry, Pune, India
 9th – 10th Nov 2017
 200 participants

The partner Plasmaterm gave a key note lecture in Pune, India at an international conference gathering with the most representative entities from Indian automotive world. The lecture describes the main achievements in surface treatments in tool and dies based on the results achieved in the LOCOMATECH project under the title of: "Observations of plasma nitriding of tools and dies".



CSTP 2017, Jinan, China
 14th -17th Oct 2017
 560 participants

The CSTP conference is one of the largest plastic forming conferences organized by the China Society For Technology Of Plasticity, and is a leading summit to promote the exchange of knowledge of the latest technologies and research outcomes in the plasticity forming industry. The conference invites the world-leading researchers and industrial partners to present the state-of-the-art developments in plasticity engineering and establish a platform for bridging the academia with industry in China. ICL, as a speaker, presented LOCOMATECH project's results in a lecture entitled: "Knowledge-based cloud FE simulation: data-driven material characterization applied to hot forming processes".

ICTP2017, Cambridge (UK)
 17th - 22nd Sep 2017
 International Conference on Technology of Plasticity
 500 participants

ICTP2017 is the largest conference on plasticity in the world with the eminent representatives from the academic society and industry partners in the field of transformation and cold/hot processing of materials. Prof. Jianguo Lin from ICL presented the latest results of LOCOMATECH project in the plenary session with a presentation entitled: "HFQ®-Aluminium: experimentation, modelling and application for stamping lightweight, complex shaped, high strength panel structure". Another presentation was also given by Dr. Kailun Zheng from ICL which describes the main achievement in the surface treatment of hot stamped Al panel under the title of: "Investigation of the lubrication performance using WC: C coated tool surfaces for hot stamping AA6082".

Left: Prof. Jianguo Lin, ICL, LOCOMATECH Project Coordinator at the ICTP2017.



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IDDRG 2017, Munich (GE)
July, 2nd – 6th 2017
Materials modelling and testing for sheet metal forming
400 participants, 25 countries

From left to right: R. Hall (MAR), L. Zsolt (UOM), Prof. J. Lin (ICL), G. Anyasodor (APT), J. Schlosser (VAP), N. Mekras (ANT), L. Wang (ICL), H. Gao (ICL)

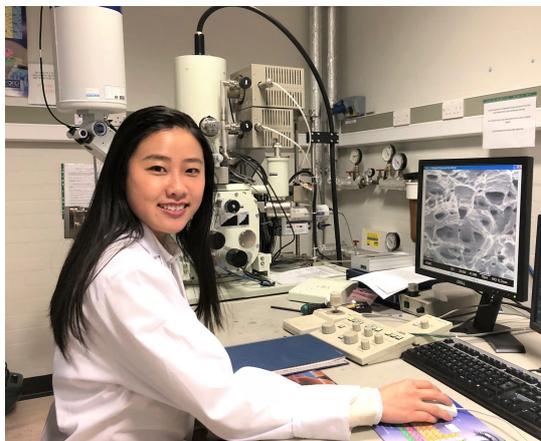


IDDRG 2017 is a summit for the world's leading production specialists and researchers to explore for fruitful discussions on challenging technical topics in the sheet metal forming technology. The LOCOMATECH project was represented by the partners ANT and ICL in the sessions "Low Cost Materials Processing Technologies for Mass Production of Lightweight Vehicles" and "Materials modelling and testing for sheet metal forming".

LOCOMATECH & Women in Science:

Interview with Dr. Yangchun Dong – Research Fellow, Surface Engineering Research Group, School of Metallurgy and Materials, University of Birmingham

Promoting the gender equalities in EC funded projects is a priority in LOCOMATECH. In this issue we have the pleasure to interview Dr. Yangchun Dong to understand her contribution to the LOCOMATECH through her work on surface treatments.



Dr Dong – University of Birmingham

LOCOMATECH: Why do you like to be a scientist and when did you understand it is the right job for you?

Dr. Dong: I know I like to be a scientist when I dig deeper into the puzzled world of how things work. Time seems past so fast when I try to find the solution for a problem. I could be thinking about the new coating anywhere when I'm alone. It is very rewarding when an idea came out and it all seems make sense.

LOCOMATECH: Is working in EC projects such as LOCOMATECH giving you the opportunity to increase your chances of professional career development?

Dr. Dong: Working in EC projects brings a lot of opportunities to meet and network with the companies and research institutes in the relevant fields. This gives me a chance to travel around the world and increases my experience and confidence on an expansive and far reaching major project.

LOCOMATECH: How could it be LOCOMATECH orientated in order to promote female workers employment in the industrial sectors addressed by the project?

Dr. Dong: I enjoy working on the LoCoMaTech project with my female co-workers. This project is a leading example for gender equality and should attract more female candidate to the engineering industry



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LoCoMaTech

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