

## ATBEST Conference Linköping, Sweden – 7 and 8 September 2016

*Biogas for the future- towards a sustainable and efficient supply chain*

### ATBEST FELLOWS

<p><b>Himanshu</b> ATBEST Fellow Teagasc</p>		<p>Himanshu is a PhD researcher at Teagasc – The Irish Food and Development Authority. He is working on co-digestion of grass silage and slurry for the biogas production. Himanshu has done his master in Water Science at University of Duisburg Essen, Germany. He also has research experience in storm water management from his master thesis at Ingenieurgesellschaft Prof. Dr. Sieker mbH, Germany."</p>
<p><b>Paz Vilanova Plana</b> ATBEST Fellow University of Duisburg-Essen</p>		<p>Paz is a research assistant in the department of Transport System and Logistics, Faculty of Engineering, University of Duisburg-Essen. Her research is related to the distribution of digestate, by-product of the biogas process. From 2008 to 2013, Paz worked in Spain and Republic of Ireland, both the private and public sectors, in the renewable energy area, primarily in biogas. She started on the ATBEST program in January 2014 in UDE.</p>
<p><b>Robin Eccleston</b> ATBEST Fellow Cologne University of Applied Sciences</p>		<p>Robin is an early stage researcher in the ATBEST project, working at the Cologne University of Applied Sciences, and is part of the Gummersbach Environmental Computing Centre research group. His research is focused on the use of newly developed spectroscopic sensors for the monitoring process dynamics in anaerobic digestion, and the use of process data for the optimisation of the anaerobic digestion process.</p>
<p><b>Jing-Xiao Liang</b> ATBEST Fellow Queen's University Belfast</p>		<p>Jingxiao is an early stage researcher in the School of Chemistry and Chemical Engineering, Queen's University Belfast, and a Marie Curie research fellow on ATBEST founded by EU. Her research is focused on Novel technologies for integrated biogas separation and compression. Prior to moving to Queen's in 2014, Jingxiao worked in the Beijing Institute of Technology, primarily on the synthesis of hollow micro-particles and solid oxide fuel cells.</p>

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**Luka Safaric**  
ATBEST Fellow  
Linköping University



Luka Šafarič is a PhD student at the Department of Thematic Studies – Environmental Change at Linköping University (LiU) in Sweden, and a fellow within the ATBEST Marie Curie program. Luka is also involved in the Biogas Research Center, hosted by LiU. His research focus is identifying the main factors affecting viscosity shifts and foaming incidents in CSTR for biogas production, and in particular, the role different trace metals play in these processes and incidents. Before starting his PhD studies, Luka was studying microbiology at the University of Ljubljana, Slovenia.

**Rawan Hakawati**  
ATBEST Fellow  
Queen's University  
Belfast



Rawan is a PhD student/Early Stage Researcher at School of Chemistry and Chemical Engineering, Queen's University Belfast. She got her Bachelor of Science (BS) in Chemistry and Bachelor of Engineering (BE) in Chemical Engineering at the American University of Beirut (AUB) in Lebanon. Her main interests are in the fields of clean/renewable energy systems and policy making while her research project is focused on the application of biogas in chemical energy storage and liquid fuel production.

**Keren Jenifer Rajavelu**  
ATBEST Fellow  
University of  
Duisburg-Essen



Keren Rajavelu is an Early Stage Researcher in the ATBEST Marie Curie program. Her research is focused on Biogas upgrading and cleaning to Biomethane using energy efficient methods. The main focus of her work is to use waste by-products, such as bottom ash, generated in municipal incineration and effectively use them in the upgrading of biogas in combination with biological treatment. She is currently part of Prof. M. Denecke working group at the University of Duisburg Essen, which has contributed to remarkable research in wastewater treatment and anaerobic digestion processes.

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**Markus Voelklein**  
ATBEST Fellow  
University College  
Cork



Markus is a PhD student based at University College Cork's Environmental Research Institute. His research investigates efficient anaerobic digestion systems and upgrading of biogas with external hydrogen from surplus electricity. One of the major tasks is to draw and compare different scenarios of innovative biomethane systems with life cycle assessment. Prior to his PhD he worked in the biogas industry and graduated with a degree in biotechnology.

**Nikoletta Giantsiou**  
ATBEST Fellow  
University of  
Duisberg-Essen



Nikoletta is an early stage researcher at Faculty of Engineering, University of Duisburg – Essen in Germany. She is working in the area of optimum biogas utilization. Her research is focused on the use of surplus electricity of wind energy, in the form of hydrogen, into the anaerobic digestion process. High methane content can be produced contributing to use of the existing infrastructure system for storing electricity. Prior to moving to Germany, in 2014, Nikoletta worked in private sector in the wastewater treatment area mainly at the R&D section.

**Christian Jenne**  
ATBEST Fellow  
University of  
Duisberg-Essen



Christian Jenne qualified as a Mechanical Engineer after completing a three year apprenticeship in Germany and worked for many years as a Project Engineer in Germany and Switzerland in the Research & Development area. In 2007 he moved to Ireland where he graduated with a Management Business degree from the Michael Smurfit Business School in University College Dublin. Subsequently he completed a Master's degree in Renewable Energy Systems. He is currently doing a Ph.D. with University of Duisburg-Essen under the "ATBEST" research collaboration project between Germany, Ireland, United Kingdom and Sweden investigating "Biogas storage and distribution concepts for the transportation sector".

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**Fabio De Rosa**  
ATBEST Fellow  
Queen's University  
Belfast



Fabio is a PhD student/Early Stage Researcher at School of Chemistry and Chemical Engineering, Queen's University Belfast. He studied for his Bachelor's and Master's degrees in Chemical Engineering at Università degli Studi di Salerno (Italy) before joining the Erasmus programme in Belfast. His main interests are heterogeneous catalysis and chemical reactor engineering, while his project is about low temperature plasma-catalytic conversion of renewable biogas into syngas.

**Francesco Ometto**  
ATBEST Fellow  
Linköping University,  
Sweden



Francesco is a research fellow and a project leader at Scandinavian Biogas Fuels AB in Linköping (SE). His projects focus on innovative substrates for biomethane fuels production with particular interest on aquatic biomasses and process optimisation. He is part of the Swedish Biogas Research Centre (BRC) and Linköping University (SE) where he is involved in research projects to develop efficient anaerobic digestion systems. Francesco completed his PhD in renewable energy at Cranfield University (UK) in 2014 and he holds a MSc/BS in environmental engineering from the University of Padua (IT).