

TARGET NEWSLETTER

Issue No 3 October 2016



Welcome to our
3rd Newsletter!

Throughout the Target project, we aim to publish this newsletter at quarterly intervals to keep partners, colleagues, clients and stakeholders up to date on relevant information relating to our project.

If you have any updates to contribute to these publications, please forward your news to our Communications Lead:
vincentreynolds@cavanitc.ie

International Symposium on Small-Scale Intelligent Manufacturing Systems (SIMS) 2016

SIMS – International Symposium on Small-scale Intelligent Manufacturing Systems – is the leading international forum for academic and industrial experts to disseminate information on the most recent theories, practices and research results in the field of Small-scale Intelligent Manufacturing Systems.

In June 2016, the world leading scientists in the field of robotics, motion control and automation gathered in Narvik (UiT, The Arctic University of Norway) to participate on the SIMS conference. Participants from 12 different countries shared their latest technological/scientific progress in these fields. The conference also hosted a brokerage event for the participating universities to exchange educational and distant learning experience.

The SIMS event provided an opportunity for the TARGET partners to collaborate with leaders in the field of Advanced Manufacturing Systems, enhance & learn from developments internationally and host a special partner get together to ensure that all of this expertise is deployed in the development of the tool boxes & in the overall roll-out of the project.





International Symposium on Small-Scale Intelligent Manufacturing Systems (SIMS) 2016

Facing intense competition in the global market, the manufacturing industry is forced to compete effectively by reducing time to market and cost while assuring high quality products preferably with desired features. Agility has become the key to survival and success in businesses and strengthening customer relationships. Meanwhile, advances in technology have blurred the boundaries between the physical and digital worlds. Under this Industry 4.0 environment, SMEs are also driven to actively seek innovative solutions in order to attain the competitive edge.

Small-scale Intelligent Manufacturing Systems (SIMS) is an emerging concept, and it is of paramount importance for improving and enhancing the competitiveness and sustainability of manufacturers, especially SMEs, in order to survive in today's rapidly changing market.

SIMS aims to incorporate state-of-the-art technologies with leading edge management methods in order to achieve continuous improvement in flexibility, reliability, productivity and sustainability of manufacturing systems.

SIMS is supported by Institute of Electrical and Electronics Engineers (IEEE), IEEE is the world's largest technical professional organization dedicated to advancing technology for the benefit of humanity. There are more than 420,000 IEEE members in over 160 countries. IEEE publishes a third of the world's technical literature in electrical engineering, computer science, and electronics and is a leading developer of international standards that underpin many of today's telecommunications, information technology, and power-generation products and services.





TARGET Partners meet in Narvik, Norway during the SIMS International Symposium





TARGET Project Update

TARGET SEMINAR in Cavan, Ireland

The Irish partners hosted a special briefing and networking event for companies selected to participate in the TARGET project, in the Radisson Hotel, Cavan, Ireland on Thursday 12 May 2016.

The event was convened to facilitate an in depth engagement with companies to provide them with a full understanding of the aims and objectives of the project, and clarify their needs and expectations.

Dr John Moore & Ann Loughran of South West College (Lead Partner) gave an overview of the project and outlined the key objectives, including the development of a toolbox of supports to build the future global competitiveness of manufacturing in the Northern Periphery & Arctic Programme.

The keynote address was delivered by Dr Stephen Brennan, Chief Digital Advisor to the Irish Government. Dr. Brennan gave a most informative, inspirational & interactive presentation on Industry 4.0 and the digital economy.

Dr. Brennan presented an overview of what an Irish based SME might do to implement an Industry 4.0 strategy. He spoke about the importance of being a digital business and the criticality of engaging customers in a conversation that ultimately helps to evolve and develop a company's product or service. Dr Brennan discussed the opportunity to link the business supply chain with the ultimate objective of building a platform to deliver value to customers. A number of case studies were used to illustrate the key points, and a six step programme was offered as a navigation aid to implementation.

Dr. Brennan's presentation was enthusiastically received by all present and a lively question & answer session followed.

The Irish partners held a meeting on Friday 13th May 2016 to discuss the seminar proceedings & agree a collaborative approach to responding to the needs of participating companies.





UiT – The Arctic University of Norway visit to Ireland October 2016

Representatives of UiT – The Arctic University of Norway visited South West College, Northern Ireland (Lead Partner) and Cavan (Ireland) in mid-October to review the position on the ground in Ireland/Northern Ireland.

Led by Professor Wei Deng Solvang, the group, which comprised a wide diversity of technical expertise and skillsets, visited companies in Cavan (Ireland) who are participating in the project. These companies are all involved in manufacturing, and the sectors covered included insulation products, precision engineering, specialised machinery components for materials handling, abrasives and industrial hose manufacture.



Seated (L-R): Gabor Sziebig, Professor Wei Deng Solvang UiT – The Arctic University of Norway; Vincent Reynolds, Cavan Innovation and Technology Centre, Ireland.

Standing (L-R)

Beibei Shu, Hao Yu, UiT – The Arctic University of Norway; Marcella Rudden, Local Enterprise Office, Cavan; Helge Lagaard, UiT; Lene Jorengsen, Vidar Gunnberg, Studiesenteret Finnsnes, Norway.





UiT – The Arctic University of Norway visit to Ireland October 2016

Representatives of UiT – The Arctic University of Norway pictured following their visit to Cavan Innovation & Technology Centre in the company of John Moore, South West College (Lead Partner) and Vincent Reynolds, Cavan Innovation & Technology Centre.





Events & Activities

Kokkola, Finland Meeting, 11 – 13 October 2016

Partners of TARGET-project visited Centria University of Applied Sciences in Kokkola, Finland to review the status of the project and share information about the tools of digitalization. A full report will be included in the next issue.

TARGET Conference Enniskillen, 22nd November 2016

The first TARGET conference was hosted in the CREST Centre Passive Pavillion in Enniskillen (Northern Ireland) on Tuesday 22nd November 2016. Full details and report in forthcoming issue of newsletter.



TARGET Partners

The Lead Partner in the TARGET Project is South West College, Northern Ireland. At present, there are five other partners across Norway, Finland, Sweden and Ireland. Contact details for each of the partners are provided below.



South West College, 2 Mountjoy Road, Omagh, Co Tyrone, N. Ireland; BT79 7AH; Tel: 00448456031881; Email: edel.mccusker@swc.ac.uk; www.swc.ac.uk.



UiT - The Arctic University of Norway (formerly Narvik University College), Lodve Langes gate 2, 8505 Narvik, Norway; Tel: 0047 76966351; Email: wds@hin.no; www.nuc.hin.no.



Centria University of Applied Sciences, Talonpojankatu 2, 671000 Kokkola, Finland; Tel: 003544492564; Email: sakari.pieska@centria.fi; www.centria.fi



Luleå University of Technology, Universitetsområdet Porson, 97187, Luleå, Sweden; Tel: 0046 920492061; Email: asaeri@ltu.se; www.ilt.se



Cavan Innovation & Technology Centre & Local Enterprise Office Cavan, Dublin Road, Cavan, Ireland; Tel: 00353494377277; Email vincentreynolds@cavanitc.ie www.cavanitc.ie www.localenterprise.ie/cavan



Local Enterprise Office Sligo City Hall, Quay Street, Sligo, Ireland; Tel: 0035371 9144779; Email: liamkiely@sligoenterprise.ie; www.localenterprise.ie/sligo

Each of the partner organisations have specialist skill sets focused on ensuring that the local and regional manufacturing base will be globally competitive and innovative through the utilisation of the advanced technology and digital manufacturing techniques available through the partnership.

For further information or queries regarding TARGET contact your regional project partner or our Lead Partner:

Edel McCusker, South West College, 2 Mountjoy Road, Omagh, Co Tyrone, N. Ireland; BT79 7AH; Tel: 00448456031881; Email: edel.mccusker@swc.ac.uk

