

NEWSLETTER EDITION 1

WINTER 2021/2022

A WORD FROM THE AMTCE

Welcome to the inaugural newsletter from the Advanced Manufacturing Training Centre of Excellence (AMTCE). The Centre was established by IMETB in January of this year through funding from Enterprise Ireland and SOLAS. The Centre's focus is on providing skills-oriented training for advancement in manufacturing technologies, processes and operations to enable Irish companies to innovate and thrive in an increasingly challenging global marketplace.

Despite the challenges of COVID-19, we've been working diligently to identify the best courses and trainers available in the market to ensure the highest quality training for our learners. We've also been busy acquiring state-of-the-art equipment in Robotic/Cobotics, Industrial Control, Precision Engineering, Industry 4.0 training lines, Additive Manufacturing and Virtual Reality Welding for the Centre to provide the best hands-on learning experience.

We ran our first training course in August. Through the months of September, October and November we've delivered a wide variety of courses, both online and classroom-based. We've engaged with companies large and small across the entire country and had fantastic feedback on what the Centre is doing.

We look forward to an exciting year in 2022 as the Centre opens its door to become fully operational, allowing companies and their employees to get hands-on with our state-of-the-art equipment. We've also been listening to you! As a result, we will be expanding our training offering for next year with many new and exciting courses.

If you are interested in accelerating in your career or investing in the skills of your workforce please reach out to us. My team and I would be delighted to hear from you and we're excited to support you on your journey of learning through the AMTCE!

Michael J McGrath

Michael J McGrath
 Director, AMTCE

THE AMTCE AT A GLANCE

The AMTCE was established in 2020 to address the skills and training needs of the Irish manufacturing sector.

The centre located in the Xerox Technology Park features over 55,000sq. feet of training rooms, classrooms, workshops, labs and event space.

Our ambition is to become the leading provider of advanced manufacturing training in Ireland. AMTCE training is practically orientated with hands on experience with state-of-the-art equipment, delivered by leading industry trainers using flexible delivery modes in response to identified industry needs.

NEWS SECTION

WHAT'S GOING ON AT THE AMTCE

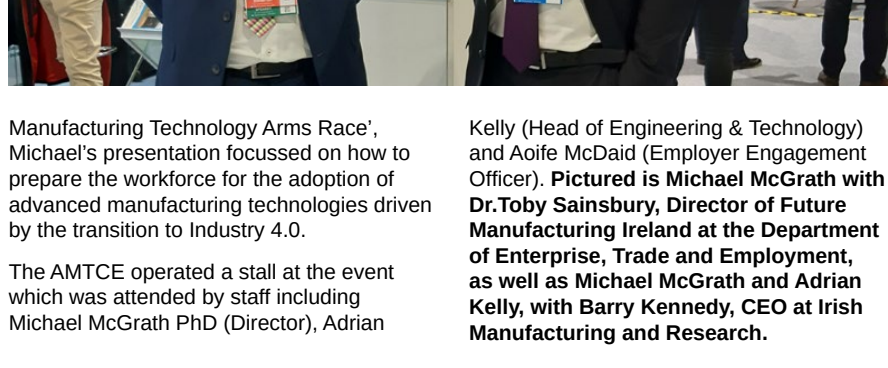


The AMTCE at the 7th National Manufacturing & Supply Chain Conference, Dublin

The team at the AMTCE were delighted to catch up with employers and employees at the National Manufacturing & Supply Chain Conference, which took place across two days at Dublin's RDS Arena, running from the 23rd and 24th November. The event provided a valuable opportunity to showcase the innovation and cutting-edge technologies which underpin advanced manufacturing in Ireland.

Running in its 7th year, the National Manufacturing & Supply Chain Conference placed a special focus on new approaches and technologies that have created significant organisational and process improvements. The event was of particular interest to senior management professionals and companies operating within the advanced manufacturing sector, as well as established practicing engineers and researchers working across the food, pharmaceutical, medical, chemical, electronics and engineering manufacturing sectors.

Aside from catching up with members of the AMTCE team, conference attendees joined a well-attended presentation delivered by Michael McGrath, Entitled 'A Skills Based Approach for Continuous Workforce Upskilling/Reskilling in the Advanced



Manufacturing Technology Arms Race', Michael's presentation focussed on how to prepare the workforce for the adoption of advanced manufacturing technologies driven by the transition to Industry 4.0.

The AMTCE operated a stall at the event which was attended by staff including Michael McGrath PhD (Director), Adrian

Kelly (Head of Engineering & Technology) and Aoife McDaid (Employer Engagement Officer). Pictured is Michael McGrath with Dr. Toby Sainsbury, Director of Future Manufacturing Ireland at the Department of Enterprise, Trade and Employment, as well as Michael McGrath and Adrian Kelly, with Barry Kennedy, CEO at Irish Manufacturing and Research.



CYBERSECURITY APPRENTICESHIPS AT THE AMTCE

Here at the AMTCE, we're driven in our objective to fill the cybersecurity skills gaps in Irish companies. That's why we teamed up with FIT (Fastrack to Information Technology) to launch a new and exciting Cybersecurity Apprenticeship programme in 2022.

While responsive to industry demands, these apprenticeships are built in accordance with requirements and

standards of the National Qualifications Framework. Prior to their work with the AMTCE FIT have delivered skill development programmes to over 21,000 job seekers across Ireland, with an excess of 18,500 securing quality employment as a result.

The adoption of the Tech Apprenticeship Programme by Ireland has been significant, with apprentices expected to

rise to 3,000 by 2023.

The AMTCE was delighted to see such a strong response to the Cybersecurity Apprenticeship Programme to date. We will be building on the success of 2021, with several new programmes in the new year. We are inviting our followers to stay tuned for further updates.

Here's to a strong year for cyber in 2022!



Pioneering the Future of Robotic Welding

2021 saw the first of the AMTCE's training and workshop events focusing on robotic welding and its applications in Irish industry. With the global robotic welding market projected to reach \$10.784B by 2026, skills in the use of robotic welding cells will become increasingly important in the world of advanced manufacturing. View the video (right) to see our KUKA robotic welding machines in action!



NEWS SECTION

WHAT PEOPLE ARE SAYING

"I have really enjoyed the Industry 4.0 Automation Pyramid Technologies training. The course was well presented, easy to follow, and as it's online, I could do it anytime. It's more than an introduction to automation, the course explains all the steps, from pneumatics, electrical, PLC to the robots. I recommend this course to anyone who wishes to learn more about automation or wants to improve their skills in the area."

Vanessa Loiola, Automation Engineer at DECOTEK Automotive Ltd.

"We were very excited about the establishment by IMETB of the Advanced Manufacturing Training Centre of Excellence in Dundalk and recently experienced an effective interaction with the Centre resulting in the development and running of a bespoke Geometric Dimensioning and Tolerance programme for a number of staff across all our business units. The Dromone Engineering participants enjoyed the course, its content and found the structure of the training and business tools extremely useful and are already applying these in practice. We have already booked further courses for our staff and look forward to collaborating with the AMTCE going forward."

William Egerton, Managing Director at Dromone Engineering

"I was delighted to attend The 3D Additive Manufacturing Workshop on 23rd September this year. In particular it was great to be able to view the very impressive AMTCE building and facilities in Dundalk Campus. This is a very valuable and welcome training resource for all companies like Abcon in the North East. From short courses on 3D Additive manufacturing through to Robotic/Cobotics we really look forward to sending some colleagues to AMTCE in the coming years. Congratulations to all who are making this a reality for the region."

Barry Smith, Managing Director at Abcon Industrial Products Ltd.

"The trainer left absolutely no stone unturned – each topic and subtopic was gone into in just enough detail for us to go off and carry out our own additional searches for further reading. We now know exactly the important things that we don't know enough about but which we will need to get to grips with. And on the topic of IoT, this alone will prove critical for success."

Tom Griffith, Business Development Manager, Serchek Industrial Ireland

FEATURED COURSES: JANUARY - MARCH 2022

The AMTCE is building on the momentum of 2021 with a series of new courses throughout the early months of the new year. We've shared some highlights of the January-March period below, but our course offerings don't end there. To browse the full range of courses on offer, visit our course schedule.

BROWSE ALL UPCOMING COURSES



Skills to Advance Funded Training

PROGRAMMABLE LOGIC CONTROLLERS COURSE

This 4-day course equips learners with the essential skills required to operate Allen-Bradley® Programmable Logic Controllers, with training delivered by experts in this niche area

Feb 17th, 18th, 23rd and 24th
 4-Day Course

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Skills to Advance Funded Training

INDUSTRIAL ELECTRICAL SYSTEMS COURSE

This training aims to provide learners with the skills required by industrial maintenance technicians to safely diagnose and repair faults in electrically controlled equipment.

Jan 26th, Feb 3rd, 4th, 10th and 11th
 5-Day Course

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Skills to Advance Funded Training

SIX SIGMA GREEN BELT

This 5-day training course will provide the learner with an understanding of Lean Green Belt practices and will enable them to become effective team members faster, which will result in improved performance and reduced time scales for Lean Six Sigma projects.

Feb 1st, 8th, 15th, 22nd and March 1st
 5-Day Course

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Skills to Advance Funded Training

PREVENTATIVE MAINTENANCE COURSE

This 5-day training course will provide the learner with the knowledge, skills and competencies to develop a practical preventive maintenance schedule for plant and equipment.

Feb 10th, 17th, 24th, March 3rd and 10th
 5-Day Course

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Skills to Advance Funded Training

ROBOTICS COURSE (INTERMEDIATE)

This 3-day training course will provide the learner with the necessary knowledge of how to operate a robot cell in manner that is compliant with robot safety regulations and to perform operating tasks on the robot.

Feb 7th, 8th and 9th
 3-Day Course

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Skills to Advance Funded Training

ROBOTIC WELDING COURSE

This training aims to provide learners with the tools required to understand the key principles of robotic welding and to be able to perform a variety of welding operations with a KUKA robotic cell.

Feb 7th, 8th, 9th, 10th and 11th
 5-Day Course

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BROWSE ALL UPCOMING COURSES

INDUSTRY NEWS

Development in Drogheda

The AMTCE welcomed news of a significant investment of \$70 million (€62million) in BD Drogheda, with a total of 100 new jobs being created in a new 52,000sq ft advanced manufacturing facility.

Major Investment in Dundalk

We're delighted to see news of significant investment in Dundalk, with 100 new jobs to be created alongside a €50m Factory of the Future. Congratulations to all of the team at Cargotec!

Increased Tech Salaries for Irish Workers

Tech salaries have increased by up to 19% for Irish workers over the past 12 months, according to research from recruitment company Hays Ireland. Its Salary and Recruiting Trends Guide 2022 saw the company survey 1,500 Irish-based employees and employers. The results suggested that tech, finance and construction roles have seen the biggest rise in salaries over the past year.

€168m EU Funding for Irish Research

Three research projects coordinated at Irish universities have secured funding from the European Innovation Council (EIC). The funding will provide grants to support early-stage development of future tech up to a proof-of-concept stage, with a total of €168m going to the 56 chosen projects and an average of €3m funding per project.

A SPECIAL THANKS TO OUR PARTNERS

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