

Career-FIT PLUS Programme

**Marie Skłodowska-Curie Action
Career Development Fellowships**
at the Advanced Manufacturing
Technology Centre for Ireland



Four steps to Fellowship



IRISH
MANUFACTURING
RESEARCH

01

**view IMR Career-FIT
PLUS opportunities**

02

**express YOUR
interest to IMR**

before: 31st August 2020

03

**prepare YOUR
application with IMR**

04

**submit YOUR
application to EI**

between: 7th September
to 31st December 2020

Research & Innovation



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RESEARCH**

IMR's goal is to **Demystify, Derisk and Deliver** emerging technologies and new knowledge to enable industry to succeed at the cutting edge of advanced manufacturing.

Pillar 1 **AUTOMATION & CONTROL**

Vision **Self-adaptive autonomous automation**

Enabling manufacturers to be globally competitive through step change improvements in productivity and quality manufacturing through automation and robotics. The Mullingar Pilot Lines provide a national test bed for the development of automation and control applications across a broad range of industries.

Pillar 3 **DIGITISATION**

Vision **Data driven business**

Accelerating the evolution towards Industry 4.0 and addressing the full data driven manufacturing paradigm with a twin vision of using data for effective and optimized factory performance and also to enable new business models and revenue streams through value-add services.

Pillar 2 **DESIGN FOR MANUFACTURING**

Vision **Customer-defined manufacturing**

Supporting industry to design and produce using advanced digital toolsets and technologies such as 3D printing, advanced machining and full product lifecycle management, to create novel products and processes designed around great customer experiences.

Pillar 4 **SUSTAINABLE MANUFACTURING**

Vision **Zero net carbon manufacturing**

To help industry take a leadership role in creating a low-carbon economy through coalescing thought leadership on many key areas around the Circular Economy, resource efficiency and intelligent energy management. IMR helps industry to optimise and adopt technologies for intelligent factory and supply-chain operations.

Get in touch to find out more about career-FIT opportunities within the four IMR research and innovation pillars.

Career-FIT PLUS opportunities



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DIGITISATION

Join the team:

We have 3 Career-FIT PLUS opportunities available with our digitisation team, working with industry on a market-focused research project as follows:

- 1. Digital Twins Demonstration, using AI and IIOT** **Ref: DI1**
- 2. Utilising Industrial Data in the Cloud** **Ref: DI2**
- 3. 5G applications within Industrial Settings** **Ref: DI3**

Join the conversation:

#MSCA #COFUND @EI_CareerFit #IrishAdvantge #GlobalAmbition @imr_ie



Career-FIT PLUS opportunities



AUTOMATION & CONTROL

Join the team: We have 4 Career-FIT PLUS opportunities available with our automation and control team, working with industry on a market-focused research project as follows:

- 1. Teleoperation for Fine Manipulation Tasks** **Ref: AC1**
- 2. Human Robot Collaboration I** **Ref: AC2**
(rapid, one-off operations, robots for batch/small-lot size manufacturing)
- 3. Human Robot Collaboration II** **Ref: AC3**
(dynamic & unstructured, human robot task partitioning)
- 4. Automated Post Processing of Parts** **Ref AC4**
(in Additive Manufacturing)

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Career-FIT PLUS opportunities



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DESIGN FOR MANUFACTURING

Join the team:

We have 2 Career-FIT PLUS opportunities available with our design for manufacturing team, working with industry on a market-focused research project as follows:

1. **Machine Tool Sensorisation**
2. **Direct Energy Deposition Processing**

Ref: DM1

Ref: DM2

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Career-FIT PLUS opportunities



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SUSTAINABLE MANUFACTURING

Join the team:

We have 4 Career-FIT PLUS opportunities available with our sustainable manufacturing team, working with industry on a market-focused research project as follows:

- | | |
|---|----------|
| 1. Energy Modelling within Industrial Facilities | Ref: SM1 |
| 2. Circular Manufacturing I | Ref: SM2 |
| 3. Circular Manufacturing II (life-cycle assessment) | Ref: SM3 |
| 4. Additive Manufacturing Product Sustainability Assessment | Ref: SM4 |

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Career-FIT PLUS opportunities



INDUSTRY4.0 FOR SMEs

Join the team:

We have 1 Career-FIT PLUS opportunities available with our business development team, working with industry on a market-focused research project as follows:

- 1. Actions to support the Green & Digital Transformation of Industry** **Ref: BD1**
(particularly SMEs)

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Express YOUR interest



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In order to receive the "Expression of Interest" form please get in touch with IMR, links below:

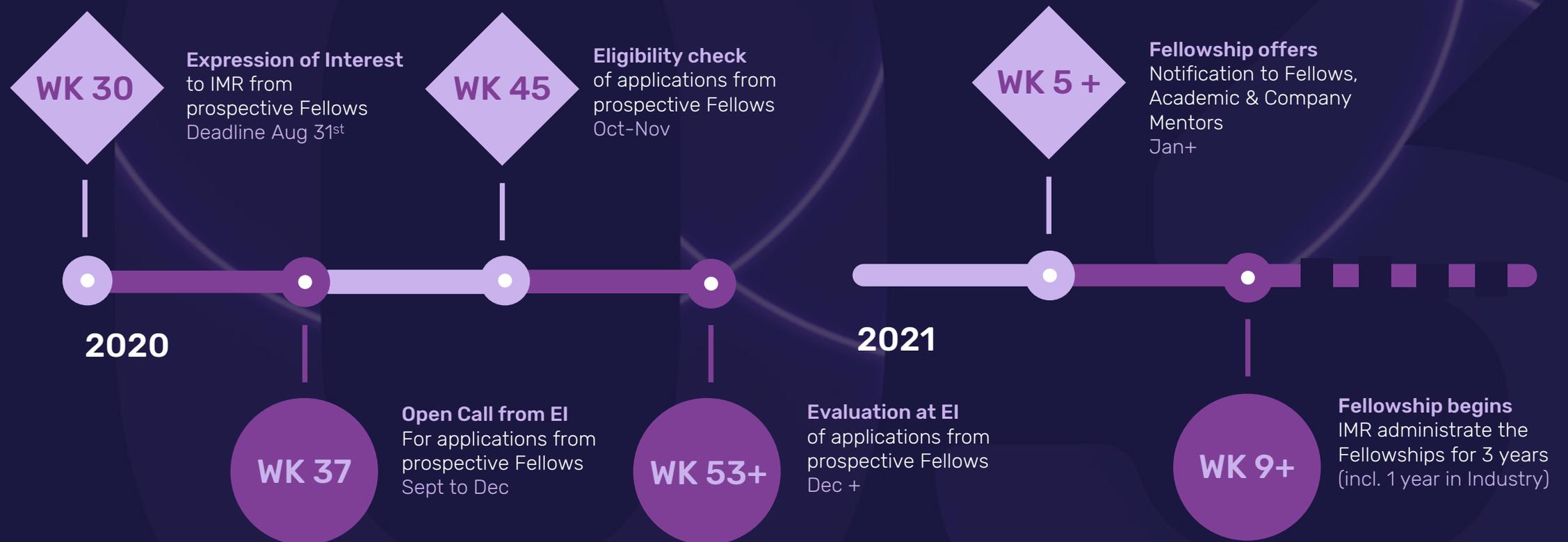
(reference #CareerFIT in your communication)

- info@imr.ie
- [@IMR_ie](https://www.instagram.com/irish_manufacturing_research/)
- [linkedin.com/irish-manufacturing-research/](https://www.linkedin.com/company/irish-manufacturing-research/)
- [instagram.com/irish_manufacturing_research/](https://www.instagram.com/irish_manufacturing_research/)
- [facebook.com/IrishManufacturingResearch/](https://www.facebook.com/IrishManufacturingResearch/)

Once we receive your communication we will send you the 'Expression of Interest' form for you to complete/return to IMR for consideration.



Prepare YOUR application



Once you have received a positive evaluation from your Expression of Interest to IMR a member of our dedicated Career-FIT PLUS team will send you the research project outline, and assist you in the preparation of your application to Enterprise Ireland (EI).

Submit YOUR application



ABOUT

Career Development Fellowships in Irish Technology Centres and Technology Gateways were launched by Enterprise Ireland (EI) in 2019.

The programme is a Marie Skłodowska-Curie Action (MCSA) COFUND that will award 25 fellowships via an open call for applications from prospective Fellows from the Sept to Dec 2020.

Fellows will be hired by the Centre or Gateway for 3 years with 12 months in a company. Each Fellow will be assigned an Academic Mentor and a Company Mentor to assist with the Fellow's research project, training and career progression. The Fellow will be exposed to the activities of the Centre or Gateway.

TO APPLY YOU NEED:

1. A doctoral degree or at least 4 years full-time equivalent research experience.
2. To be living outside Ireland or in Ireland for no more than 12 months in the past 3 years.
3. To be motivated to enhance your skills, working conditions and career perspectives by working with companies in a market-focused research project.
4. To want to live and work in Ireland, one of Europe's Strong Innovators and the EU leader in innovation from SMEs.

The Fellowships are underpinned by triple "i":

- International mobility;
- Intersectoral exposure; &
- Interdisciplinarity.

MAIN CONTACT:

Micol Martinelli, Programme Manager of Career-FIT PLUS, Research & Innovation Internationalisation Team, Enterprise Ireland

Call: +353 (01) 7272984

Email: careerfit@enterprise-ireland.com

Twitter: [@EI_CareerFIT](https://twitter.com/EI_CareerFIT)

APPLICATION INFORMATION:

horizon2020.ie/career-fit-plus/

[CF+ Guide for Applicants](#)

[CF+ Frequently Asked Questions](#)

[CF+ Terms & Conditions](#)

[CF+ Flyer](#)



This project has received funding from the EU's Horizon 2020 research and innovation programme under the Marie Skłodowska-Curie grant agreement No 847402

