

connected
everything.

British Stainless Steel Association (BSSA) workshop on Tuesday 5 April 2022, 10am-4pm at Aston University

What the event is

BSSA exists to promote and develop the manufacture and use of stainless steel across the UK and Ireland. An opportunity has arisen for Connected Everything members to work with BSSA members to consider **enhancement of the surface of stainless steel products**. Many stainless steel components and fabrications have some additional surface treatments to enhance corrosion resistance, hygienic properties, performance or aesthetics. In addition, it is increasingly important to improve the sustainability of products. Therefore enhancement is significant and exciting challenge to address.

What will happen at the workshop?

The primary purpose of researchers and early career academics to attend the first part of the workshop to listen and gather intelligence on the problems as articulated by industry. The format will be:

- Listen to the meeting of industrialists to understand the problems.
- Industrialists and researchers / early career academics will then explore and define the problem(s) they would like to address and prioritise these.

Post workshop activity

Following the workshop, researchers and early career academics will be invited to:

- Review the priority problems and propose a range of solutions. This will involve cross discipline working, collaborations across universities and industrialists.
- The early career academic-lead teams to present back to industry.
- Most appropriate solutions will be further developed.
- A Connected Everything placement could support this activity with the industry partner.
- Collaborative outputs from the experienced shared (publications, piece for Connected Everything newsletter etc)

Research areas that could be relevant (but not limited to)

- Mechanical Engineering
- Materials Science
- Chemistry
- Metallurgy
- Additive Manufacturing / 3D printing
- Circular Economy
- Business Economics

Next steps

To register for this workshop, go to Eventbrite

<https://bit.ly/3vhkYRb>

Got any questions? Contact:

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Summary of industry opportunity

1. Problem definition and identification by listening to Industrialists
2. Idea generation & exploration of solutions
3. Post workshop proposal development
4. Presentation of solutions with option of funded placement