School of Mathematics

Industrial engagement strategy (2021-26)

Our Vision

To establish an identity as a leading UK mathematics department for industrial collaborations.

Our Strategic Goals

1. Enhance the School’s visibility and reputation within industry where the quality and contribution of its research, and the standard and relevance of students’ training, is widely promulgated and highly valued.
2. Increase our activity with industry at all careers stages to establish new links and extend existing ones, resulting in substantial, long-term and mutually beneficial collaborations.
3. Establish a strategic focus on how we engage with industry whilst maintaining and growing the School's activities in fundamental research, which will always be at the core of everything we do.
4. Supporting staff to develop their own new industrial activities such as spin outs and consultancy as well as engaging with existing organisations.

Enhance the School’s visibility and reputation within industry

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| Measurable |
| 1. Increase number of industry-friendly events |
| 1. Increase number of industry in-kind interactions |
| 1. Create an online space aimed at external audience to showcase our industrial interactions |
| 1. Create a resource aimed at researchers to describe pathways to industrial collaborations |

Increase our activity with industry

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| Measurable |
| 1. Increase number of industry-funded PhD projects |
| 1. Increase number of industry in-kind interactions. |
| 1. Increase number of students who take up industrial internships or year in industry placements. |
| 1. Increase number of grant sources (e.g. Innovate UK and EPSRC Prosperity Partnerships) |
| 1. Increase number of IAA applications per year |

Establish a strategic focus on how we engage with industry

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| Measurable |
| 1. School invests in new positions to support industrial interaction |
| 1. Increase Compass CDT interactions with industry |
| 1. School has a workload model that recognises industrial engagement |
| 1. New or re-award of a CDT with industry commitment |
| 1. Recruit an academic with experience in industry |

Supporting staff to develop their own new industrial activities

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| Measurable |
| 1. Industry Partnerships Manager to create link with Commercialisation Team |
| 1. Increase presence of central support teams (such as RED and SPO) in the School through drop-in sessions. |
| 1. Submit bid for RS Entrepreneurs in Residence |
| 1. Get researchers engaged with events such as TREE. |