

Institution of
**MECHANICAL
ENGINEERS**

**PROCESS
INDUSTRIES
DIVISION**

**LATEST NEWS, RESEARCH,
THOUGHT LEADERSHIP, JOBS,
EVENTS AND TRAINING IN
YOUR INDUSTRY OR SECTOR.**

Mentor Forum

MS Teams Meeting

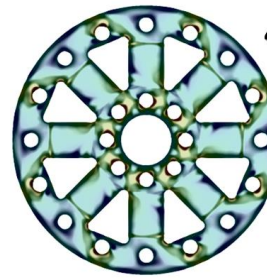
12:45-13:30 GMT on 12th March 2024

Improving the world through engineering

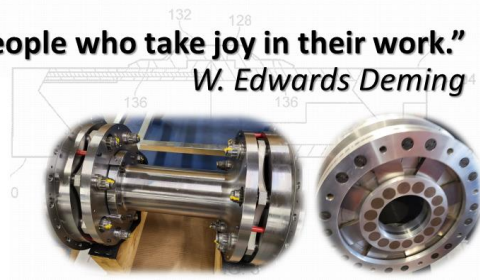


This month we'll be joined by Murat Islam, BSc MSc PgCert CEng FIMechE. He is the Lead Engineer, Global Couplings Engineering at John Crane UK Ltd and Vice Chair, IMechE Process Industries Division Board. Murat will share his thoughts on mentoring with us and how his volunteering activities have helped him develop in his career as an engineer.

DAY TO DAY



"Innovation comes from people who take joy in their work."



Design and develop power transmission couplings



Predict performance characteristics

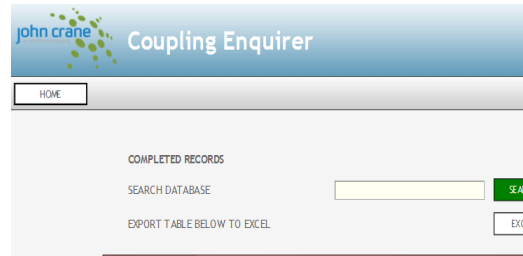


Hands on testing and product validation



FM 85394 EMS 611117 OHS 611118

Ensure compliance with standards



Provide technical support



Produce failure analysis reports

Innovation Pods



Identify and exploit existing and new technologies



Deliver product technical training



Meet customers to review design requirements

PROCESS DIVISION EVENTS

<https://nearyou.imeche.org/near-you/UK/North-Western/event-detail?id=20849>

Organised the most attended Process Division Event:
722 Registered and **461 Attended**

Mechanical Sealing Technology

Add to your calendar

Last updated - 26/01/2023 17:52

Technical lecture

09 February 2023 12:00 - 13:00

Status: This event has finished

Description

To book your place on to this event, please click here.



Institution of
MECHANICAL ENGINEERS

Mechanical Sealing Technology

by Ian Gaffing

Thursday 9th February 2023
12:00-13:00 UK GMT
Online Webinar

Improving the world through engineering

| | 2023 | 2023 | 2023 |
|-----------|----------|-------------|-------------|
| | Complete | Total | Total |
| | 12 | | |
| | 13 | | |
| | 2 | | |
| | 27 | | |
| | | 4110 | 2501 |
| Webinars | | 3833 | 2224 |
| Seminars | | 184 | 184 |
| Workshop | | 13 | 13 |
| Hybrid | | | |
| In person | | 80 | 80 |

| Date | Event | Certificates | LinkedIn | Feedback |
|--------------|--|--------------|-------------|------------|
| 11-Dec-23 | Strategies and Tactics to Decarbonise Heating & Cooling | 7 | 168 | |
| 30-Nov-23 | Energy Transition - Geothermal Energy - Opportunities and Barriers for | 15 | 130 | |
| 08-Nov-23 | The Present Oil and Future Liquefied Gas Large Scale Marine Transfers | 10 | 130 | |
| 05-Oct-23 | Energy Transition - Commercial Opportunities and Barriers for the Trar | 21 | 197 | 4 |
| 07-Sep-23 | Picking the right Condition Monitoring (in person £40 seminar) | 49 | 43 | 5 |
| 21-Jun-23 | The Energy Trilemma | 28 | 121 | 6 |
| 07-Jun-23 | The Future of International Collaborative Engineering | 9 | 0 | 3 |
| 24-May-23 | Energy Transition - How can localised successes be used to Influence th | 7 | 102 | 2 |
| 04-May-23 | Condition Monitoring – Using Simulation to Enhance Asset Managemen | 14 | 57 | 1 |
| 24-Apr-23 | Change Management - Making sure changes don't lead to catastrophe! | 21 | 248 | 4 |
| 20-Mar-23 | Intro to the Process Industries - What it means to be an engineer in the | 11 | 9 | 1 |
| 03-Mar-23 | Realising Value in Innovation and Diversity | 1 | 70 | 4 |
| 09-Feb-23 | Mechanical Sealing Technology | 88 | 346 | 12 |
| 26-Jan-23 | Re-engineering for Sustainability | 22 | 272 | 6 |
| 17-Jan-23 | Treasuring the planet's resources for the future | 5 | 8 | 0 |
| 15-Dec-22 | Energy Sustainability - The Challenges | 13 | 15 | 2 |
| 10-Nov-22 | An Introduction To The Engineering Opportunities In Bulk Materials | 1 | 37 | 1 |
| 18-Oct-22 | Improving food quality & minimising risks with steam | 3 | 208 | 6 |
| 12-Oct-22 | Safeguarding Against Hazards from Machines | 25 | 62 | 4 |
| 26-Sep-22 | Energy Security | 27 | 177 | 4 |
| 06-Sep-22 | Performance reporting | 21 | 326 | 7 |
| 20-Jul-22 | Condition Monitoring | 18 | 32 | 1 |
| 10-Jun-22 | Couplings | 4 | 356 | 7 |
| 16-May-22 | Finding the Causes | 32 | 105 | 17 |
| 05-May-22 | Engineering in the Energy | 4 | 48 | 4 |
| 28-Apr-22 | The Energy Transition | 5 | 6 | 4 |
| 18-Mar-22 | TANICS | 6 | 93 | 0 |
| 02-Mar-22 | Critical Thinking | 13 | 7 | 8 |
| 28-Feb-22 | Wind Energy | 37 | 33 | 7 |
| 10-Feb-22 | Intro to Water and Food | 11 | 57 | 11 |
| 04-Feb-22 | Actions for the engineering profession from COP26 | 0 | 8 | 0 |
| 31-Jan-22 | Geothermal Energy - Its role in the Energy Transition | 0 | 222 | 0 |
| 15-Dec-21 | Hydrogen - its role in the Energy Transition | 0 | 244 | 0 |
| 03-Dec-21 | Strategic Innovation and the Impact of External Stakeholders | 0 | 182 | 0 |
| 16-Nov-21 | Leadership in process safety – learn the lessons | 0 | 183 | 0 |
| 10-Nov-21 | IMechE Webinar H2 Hydrogen: Powering UK Net Zero and Teesside | 0 | 7 | 0 |
| 02-Nov-21 | CCUS - its role in the Energy Transition | 0 | 3 | 0 |
| 27-Oct-21 | Heat Exchanger Pressure Relief | 0 | 1 | 0 |
| 15-Oct-21 | The Air-Hood for Covid Protection | 0 | 4 | 0 |
| 27-Sep-21 | Introduction to the Process Industries | 0 | 169 | 0 |
| 09-Sep-21 | Engineering Graduates for Industry: The Educator's Perspective | 0 | 168 | 0 |
| 06-Sep-21 | Oil Industry Skills Are Helping New Energy Technologies | 0 | 15 | 0 |
| 15-Jun-21 | Engineering Graduates for Industry: The Industry's Perspective | 0 | 7 | 0 |
| 14-Jun-21 | Engineering Graduates for Industry: The Students' Perspective | 0 | 4 | 0 |
| 05-Jun-21 | Additive Manufacturing: 3D Printing Composite Reinforced Parts | 0 | 4 | 0 |
| 03-Jun-21 | Impulses to Innovation: The 3D Printed Response | 0 | 2 | 0 |
| 02-Jun-21 | Steal with Pride! Learn from the Mistakes | 0 | 8 | 0 |
| 31-Mar-21 | Surge Awareness | 0 | 280 | 12 |
| 23-Mar-21 | Seminar: Next-Generation CFD | 0 | 10 | 0 |
| 14-Mar-21 | Engineering Graduates for Industry: Rethinking Our Approach | 0 | 430 | 0 |
| 11-Mar-21 | IMechE and Data Centres | 0 | 324 | 0 |
| Total | 51 | 528 | 5738 | 143 |

IMECHE VOLUNTEERING

Process Industries Division Vice Chairman, Jan 2024 - Present
Professional Review Interview, Panel Chair, Nov 2021 - Present
Industry Liaison Officer for John Crane UK Ltd, Jun 2019 - Present
Process ID NWC, Committee Member, Apr 2019 - Present
Greater Manchester Area, Committee Member, Sep 2017 - Present
Power ID NWC, Committee Member. Sep 2017 - Present
North Western Region, Social Media Secretary, Jun 2019-Feb 2023 >> **Fatemeh Shahbazi**
Young Members Board, Process ID Representative, Oct 2020 - Jan 2022 >> **Stephen Soley**
Professional Review Interview, Co-panellist, Jul 2018 - Nov 2021
Lancashire Area, Committee Chairman, Apr 2018 - May 2020 >> **Kevin Goode**
Lancashire Area, Committee Vice Chairman, Jul 2017 - Apr 2018
Lancashire Science Festival stand volunteer – 2017 & 2019
CHAIN Manchester conference marketplace stand volunteer for the IMechE - 2020
CHAIN Manchester conference speaker for the IMechE - 2019
St. Mary's Careers Convention stand volunteer – 2018 & 2019
Lancashire Area, Committee Member, Dec 2015 - May 2020 (Thanks to my CEng sponsor, Paul Shechter)

- Communication Lancashire Innovation Festival 2022
- Conversations Inclusive Leadership Workshop
- Influence and Negotiation IMechE Dotdigital Platform
- Course- Institution's eLearning Collection IMechE D&I Podcast
- IMEchE EMS Conference PRI Training Webinar
- IMEchE Composite Materials and Sustainability Conference
- IMEchE Exploring Belonging Training MENTORS
- IMEchE - Being an Ally



MENTORING - WHAT WORKS FOR ME

as a Mentee

1. I identify what I want to achieve.
2. I do online research on how to get there.
3. I build a rough plan with milestones and clearly define my specific objective.
4. I identify people who achieved this already.
5. I discuss my planned milestones with them.
6. I check if they are the right person to mentor me in achieving this objective.
7. I get an agreement and setup meetings as needed to create my new tasks and actions.
8. I continually reflect on my actions and report to my mentor until I celebrate my achievement with them.

as a Mentor

1. I manage my time commitment in a shared calendar. (*timeboxing via [Google calendar](#)*)
2. I seek potential mentees. ([LinkedIn](#))
3. I encourage them to achieve something I already achieved by discussing how it benefitted me.
4. I clarify the process to them.
5. I get them to own the process, and setup meetings via [my open appointment calendar](#).
6. I get them to summarise our meetings and confirm their tasks and actions.
7. I get them to reflect on their actions and report to me until we celebrate their achievement.

MENTORING

Bottom line

Mentoring **starts with the mentee.**

Mentee must **desire to achieve** an objective.

Mentor's responsibility is to help them to create a Specific, Measurable, Achievable, Relevant, and Time-bound, **bold SMART objective.**

- *I will be a CEng in 12-months.*

Mentee must demand new actions.

- *What should I have done to achieve this?*
- *What should I do next?*

Mentor must help define **knowledge gaps** and next best **actions.**

Always use **positive language.**

Beware of **capabilities** and **limitations.**

Mentoring should **transition to Coaching.**

Challenge is to **keep on track.**

WE LOOK FORWARD TO HEARING FROM YOU.

Institution of
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ENGINEERS**

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Process Industries Division: <https://www.imeche.org/industry-sectors/process>

Event Enquiries: eventenquiries@imeche.org / + 44 (0)20 7973 1251

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