

	CM-A-02: Corrosion Control R&D (Workshop)	<p style="text-align: right;">Email: training@corrsmagnet.com Phone: 403-991-4036 Linked in: CorrMagnet Facebook: Corrmagnet Twitter: @corrsmagnet Skype: CorrMagnet</p>
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This 3-day workshop provides the research students the tools to generate scientifically accurate and technically relevant corrosion data. This course also provides an overview of more than 25 international standards on corrosion measurement and monitoring.

Ideal Participants

- Research students from academic institutes

Maximum number of participants: 25

Materials

- Handouts of the presentation

Workshop Organisation

- The course is typically offered over a period of 3 days
- The sessions are of 90 minutes in duration; there are four sessions per day
- Participants are anticipated to do homework, i.e., plan to work for additional 60 to 90 minutes after the sessions on Day 1 through Day 2
- Bring along lap-top and other tools (e.g., calculator)

Workshop Contents

Day 1: Laboratory Methodologies

- Static Tests
- Dynamic Tests
 - Rotating disk electrode
 - Rotating cylinder electrode
 - Rotating cage
 - Jet impingement
- Simulation Tests
 - Salt spray chamber
 - Environmental chamber
 - UV chamber

Day 1: Corrosion data

- Accuracy
- Precision
- Repeatability
- Reproducibility
- Relevance

Day 1: Non-Electrochemical Techniques for Measuring Corrosion

- Mass Loss
- Microscopy
- Spectroscopy
- Laser Profilometer