



Faculty Member

Timken Foundation Center for Precision Manufacturing

Contact Information



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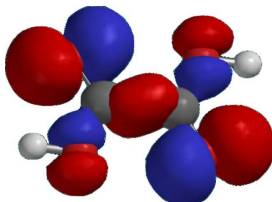
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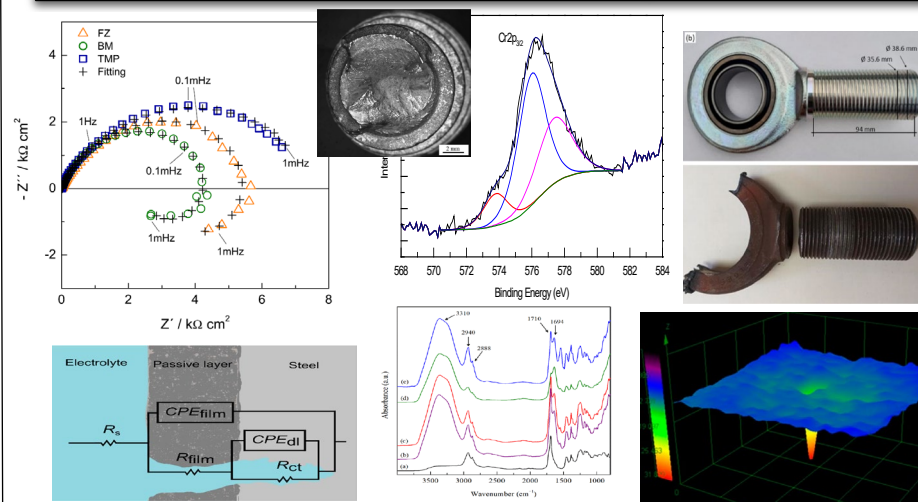
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Research Interests

- Design and Manufacturing of Corrosion Resistance Surfaces
- Design and Manufacturing of Smart Coatings
- Electrochemistry of Materials
- Surface and Interface Analysis
- Advanced Materials with Low CO₂ footprint
- Corrosion and Materials Engineering
- Corrosion Protection of AM Alloys



Sample Research I: Corrosion Failure Analysis



Sample Research II: Corrosion Prevention and Modeling

- Smart Coatings for Corrosion Prevention
- Service Lifetime Prediction
- Stress Corrosion Cracking
- Corrosion Fatigue
- Corrosion in Welded Joints
- Atmospheric Corrosion
- High Temperature Corrosion
- Corrosion Under Insulation

