

Discussion Group T9: Advanced Topics in Centrifugal Compressor Design

Leaders:

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- Urs Baumann (MAN Diesel & Turbo Schweiz AG)
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Suggested Topics:

- Meeting current rotordynamics stability standards
- High flow coefficient/Mach number impellers
- Complicated high pressure gas properties. E.g., CO₂, acid gas, H₂S
- Validity of CFD modeling
- Modern manufacturing/forming methodologies
- Simulation and dynamic process modeling
- Handling of Chlorides in sour/acid gas applications, including piping; end-user strategies
- Materials for compressors in extreme acid/sour gas applications with and without chlorides
- Hermetically-sealed compression