

Rasmus Hvid, M.Eng., B.ASc.

Expert Qualifications Summary:

- Dynamic and Solid Mechanics
- Thermodynamics
- Deformation Processing
 - Elastic & Plastic Deformation
 - Strain Hardening
 - Formability of IF, HF HSLA, TRIP, TWIP Steels
- Material Fracture Mechanics
 - Strain Energy Release Rate (GIC)
 - Critical Stress Intensity Factor (KIC)
 - Microstructure Resistance to Crack Propagation
 - Static Fatigue
 - Creep Fatigue
- Product Design Life Cycle Analysis
- Product Design for Manufacture, Assembly and Disassembly
- Failure Modes & Effects Analysis
- Systems Design and Engineering
- End of Life Product Design Considerations
- Robust Design
- Tolerance Analysis
- Front End Development
- Biomaterial In-Vivo Interaction (Biofilms, Bacterial Adhesion, Infection, Toxicity)
- Biomaterial Polymer Degradation
- Static and Fatigue Failure of Mechanical Components
- Machine Design Optimization of Mechanical Components
- Mechanical Properties of Nano-Structured Influenced Materials
- Mechanical Properties of Metal Alloys and Composites
- Analytical Electron Microscopy
- Fractographic Fingerprinting
- Microsoft Excel VBA
- Collision Reconstruction

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