

High performance magnesium alloys for elevated temperature usage

PhD student: Hoda Dini

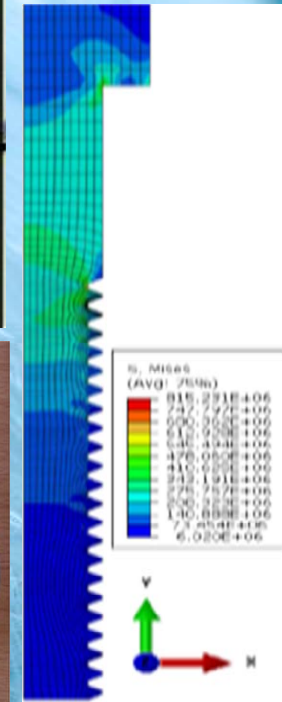
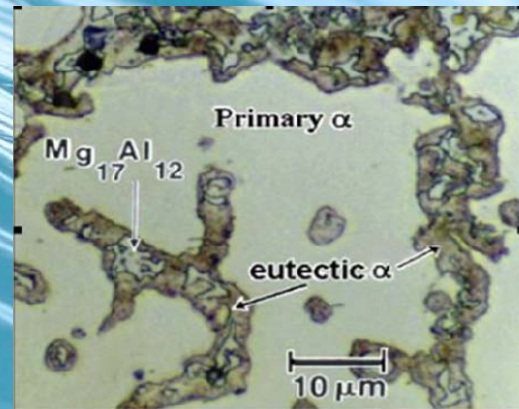
Duration: April 2012 - May 2017

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Advisors: Anders Jarfors, Nils-Eric Andersson

Research Scope:

- Developing a physical model base on evolution of dislocation density and predicting creep failure. (Correlating the microstructural features and mechanical properties)
- Developing Mg-alloys for a creep resistant crank case material.
- Developing Mg-alloys for piston applications



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