

TMS 2015

144th Annual Meeting & Exhibition

March 15-19, 2015 • Walt Disney World
Orlando, Florida, USA

Connecting the global minerals, metals, and materials community.



Plan Now to Attend:

MHD 2015: Nagy El-Kaddah Memorial Symposium on Magnetohydrodynamics (MHD) in Materials Processing

This symposium is to honor the memory and legacy of Prof. Nagy El-Kaddah. The Nagy Symposium on Magnetohydrodynamics (MHD) in Materials Processing will provide a forum where university and academic professionals can interact and exchange with other stakeholders to facilitate the advancement of MHD in industry. Themes include experimental MHD, mathematical modeling of MHD, MHD stability, industrial applications of MHD, and recent applications of MHD.

Abstracts must be submitted through ProgramMaster.

Papers are needed from professionals in the following areas:

- Fundamental study of MHD interactions in materials processing
- Electromagnetic levitation to study reactions and material properties of metals on earth and in microgravity condition
- Application of MHD in non-ferrous industries – electromagnetic casting, electromagnetic brake, electromagnetic stirrer, induction heating, electromagnetic filtration, Hall-Heroult process
- Application of MHD in ferrous industry – electromagnetic stirrer/brake, edge containment in twin roll strip casting, transverse flux induction heating of strips, VIM/VAR processes, ESR processes
- Recent applications of EM field in areas such as electrostatic levitation, magnetopheresis, etc.

Sponsored by:

- TMS Extraction and Processing Division
- Pyrometallurgy Committee

Organized by:

Ramana Reddy, The University of Alabama (USA)
Thinium T. Natarajan, US Steel (USA)

**For more information on how
to participate, visit:**

www.tms.org/TMS2015

Questions? Contact programming@tms.org