

**TMS2016**  
145<sup>th</sup> Annual Meeting & Exhibition

FEBRUARY 14-18 DOWNTOWN NASHVILLE,  
TENNESSEE MUSIC CITY CENTER

Connecting the Global Minerals, Metals, and Materials Community.



## Phase Transformations in Multi-component Systems: An MPMD Symposium Honoring Gary R. Purdy

The modern materials for automotive, energy, and construction applications upon which modern societies depend, all rely on the understanding of phase transformations in alloy systems. It is to this area that Gary R. Purdy, professor at McMaster University, has made seminal contributions over a dedicated period of more than 50 years. This symposium is dedicated to Purdy on the occasion of his 80th birthday. The scope of symposium reflects his interests in phase transformations and microstructure evolution in multi-component systems.

### Topics covered will include:

- Equilibrium and dynamic properties of interfaces with special emphasis on the phenomena of segregation, contact conditions at migrating interfaces, free energy dissipation at the interface, and deviations from local-equilibrium
- Interface structure and application of O-lattice theory
- Diffusion-induced boundary migration and cellular precipitation
- Modelling of phase transformation kinetics

### Organizers include:

Hatem Zurob, McMaster University (Canada)  
Annika Borgenstam, KTH (Sweden)  
Tadashi Furuhashi, Tohoku University (Japan)  
Wenzheng Zhang, Tsinghua University, (China)  
Christopher Hutchinson, Monash University (Australia)

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