

14th International Symposium on Solubility Phenomena and Related  
Equilibrium Processes (ISSP 2010)  
Montanuniversität Leoben, Austria, July 25-30 2010

**Subsections:**

- 1) Aqueous salt solutions,
- 2) Molten salts and ionic liquids,
- 3) Hydrometallurgy,
- 4) Computer assisted equilibrium calculations,
- 5) Kinetics of phase transformations

**Key Lectures**

**Plenary lectures:** Time allowed for presentation of each: 50 min including discussion

Name of speaker	City / Country	Subsect.	Title
Prof. Dr. M. F. Camões	Lisbon / Portugal	1) – 5)	Analytical chemistry and solubility phenomena: Interdisciplinary methods, concepts, and projects
Prof. Dr. W. Voigt	Freiberg / Germany	1)	Chemistry of salts in aqueous solutions, experiments, theory, application
Prof. Dr. M. Rettenmayr	Jena / Germany	5)	Supersaturations and their role in phase transformations
Prof. Dr. E. Königsberger	Murdoch / Australia	3)	Solubility of 'impurities' in hydrometallurgical processes
Prof. Dr. K. Hack	Herzogenrath / Germany	4)	Thermodynamically oriented process modeling techniques
Prof. Dr. V. Truesdale	London / United Kingdom	5)	The fundamental mathematical modelling of dissolution exemplified by biogenic silica

**Invited lectures:** Time allowed for presentation of each: 40 min including discussion

Name of speaker	Country	Subsect.	Title
Prof. Dr. D. Zeng	Changsha / P R China	1)	Solubility phenomena of calcium sulphate and its hydrates in the hydrometallurgical process of heavy metals
Dr. M. Grill	Leoben / Austria	3)	Recovery of pure magnesium oxide and other products by hydrometallurgical processing of ultramafic rocks from Kraubath
Dr P. Koukkari	Espoo / Finland	4)	Applications of the constrained Gibbs free energy minimization method
PD Dr. E. Gamsjäger	Leoben / Austria	5)	Thermodynamics of irreversible processes applied to kinetics of diffusive phase transformations