

## Short course and workshop

# “Non-destructive analysis of gemstones and other geo-materials”

List of invited lectures and oral presentations of course participants:

### Monday, March 2:

**Michael S. Krzemnicki\*** (SSEF Swiss Gemmological Institute, Basel, Switzerland):

***“Raman microspectroscopy, a non-destructive tool for identification, treatment detection and origin determination of gemstones”***

### Tuesday, March 3:

**Wiwat Wongkokua and Sorapong Pongkrapan** (Kasetsart University, Bangkok, Thailand):

***“X-ray absorption spectroscopy and photoluminescence spectroscopy studies of Cr ions in corundum ( $\alpha\text{-Al}_2\text{O}_3$ )”***

**Tobias Häger\*** (Johannes Gutenberg-Universität, Mainz, Germany):

***“Spectroscopic methods applied to gem materials”***

**Wolfgang Hofmeister\*** (Institut für Edelsteinforschung, Idar-Oberstein & Mainz, Germany):

***“Red stones from the red river: A gemstone journey through Vietnam and Southeast China”***

### Thursday, March 5:

**John McNeill** (Department of Earth Sciences, Durham University, U.K.):

***“Ultra-trace element impurity levels in some gem-quality diamonds”***

**Katja Ruschel** (Universität Wien, Austria) and **Dominik Talla** (Masaryk University, Brno, Czech Republic):

***“Mineralogical investigations of heat-treatment effects in tanzanite”***

**Thomas Hainschwang\*** (Gemlab: Laboratories for Gemstone analysis and reports, Balzers, Liechtenstein):

***“A spectroscopic comparison of untreated and treated natural and synthetic colored diamonds”***

### Friday, March 6:

**Bongkot Phichaikamjornwut** (Swedish Museum of Natural History, Stockholm, Sweden):

***“Spectroscopic studies of garnets from Thailand”***

**Stefanos Karamelas** (Gübelin Gem Lab, Lucerne, Switzerland):

***“Raman spectroscopic studies of (natural and treated) coloured gem corals and pearls”***

**Lioudmila Tretiakova\*** (GCAL Gem Certification and Assurance laboratory, New York, U.S.A.):

***“Spectroscopic methods applied to the non-destructive detection of (major) defects in diamond”***

**\* invited plenary speakers**