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 (α-Al_2O_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 Karampelas (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***