

Short course

Luminescence Spectroscopy and Imaging in Geosciences

Pre-conference short course in the framework of the
CORALS-2013 (Conference on Raman and Luminescence Spectroscopy)

Wien, Austria, July 1–3, 2013

Venue: Institut für Mineralogie und Kristallographie, Universität Wien
Building UZA2 (Universitätszentrum Althanstraße), Althanstr. 14, 1090 Wien, Austria

July 1	08:30–09:30	Registration (room 2A254)
	09:30–09:45	Opening (lecture hall HS1: room 2A120)
	09:45–11:00	Seminar: Introduction and generalities (HS1; L. Nasdala)
	11:00–11:45	Seminar: Basics on electronic transitions in minerals (HS1; M. Wildner)
	<i>Lunch break</i>	
	13:45–15:15	Lab work I (rooms 2A145, 2B345, 2B346)
	<i>Coffee break</i>	
	15:45–16:15	Seminar: Application of CL to the study of silica (HS1; J. Götze)
	16:15–17:00	Seminar: Microcharacterisation of minerals and materials by CL (HS1; C. MacRae)
	18:30 till late	Short course dinner (restaurant “Zum Reznicek”, Reznizekgasse 10, 1090 Wien)
July 2	09:00–10:30	Lab work II (2A145, 2B345, 2B346)
	<i>Coffee break</i>	
	11:00–11:30	Seminar: Instrumentation and quantitative aspects of cathodoluminescence (HS1; J. Götze)
	11:30–12:15	Seminar: Instrumentation and applications of fluorescence spectroscopy (HS1; R. Seitz)
	<i>Lunch break</i>	
	14:15–15:45	Lab work III (2A145, 2B345, 2B346)
	<i>Coffee break</i>	
	16:15–16:45	Seminar: Application of CL to study hydrothermal and other alteration in minerals (HS1; J.M. Hanchar)
	16:45–17:15	Seminar: Application of PL to study radiation damage in minerals (HS1; L. Nasdala)
July 3	09:00–12:00	Labs available for participants' own samples (2A145, 2B345, 2B346)