

## Program of the Tourmaline 2017 symposium

### Thursday 22.6.

12:00-18:00 Individual pick-ups in Brno

**15:00-19:30 Registration**

ca. 16:15 Shuttle bus departure from Prague - Main Railway Station

19:30 Ice-breaker party

### Friday 23.6.

**08:00 Registration**

9:30-9:50 Milan Novák Welcome and introduction to the Tourmaline 2017 symposium

**9:50-10:30 Darrell Henry, Barbara Dutrow** **Twenty years of progress: Advances in tourmaline studies since the Tourmaline 1997 Conference**

coffee break

10:50-11:10 Charlotte Redler, Marika Vespa, Meinert Rahn Major and trace element composition of tourmaline in aplites and granites as indicator for magmatic and hydrothermal development (Elba, Italy)

11:10-11:30 Jiří Toman, Milan Novák, Jan Loun, Jan Cempírek Tourmaline from Věžná I pegmatite; an indicator of external contamination and internal fractionation.

11:30-11:50 Igor Broska Inspecting tourmaline distribution in granites using 3D tomography

Lunch

**13:30-14:10 Ferdinando Bosi** **Tourmaline structure and crystal chemistry**

14:10-14:30 Peter Bačík The crystal-chemical autopsy of octahedral sites in tourmalines: site occupancy and bond-length relations

cofee break		
<b>14:50-15:30</b>	<b>Andreas Ertl, Ekkehart Tillmanns</b>	<b>Tetrahedral substitutions in tourmaline and their applications in petrology</b>
15:30-15:50	Oleg S. Vereshchagin, Olga V. Frank-Kamenetskaya, Ira V. Rozhdestvenskaya, Anatoliy A. Zolotarev	Structural adjustments, stability and mineral species relations of 3d-elements bearing tourmalines
cofee break		
<b>16:00-16:40</b>	<b>Federico Pezzotta</b>	<b>Tourmaline crystal growth in gem-bearing pegmatites</b>
<b>17:00-18:00</b>	<b>poster session</b>	
<b>19:00</b>	<b>Special conference dinner</b>	

<b>Saturday 24.6.</b>		
<b>9:00-9:40</b>	<b>Eleanor Berryman</b>	<b>Experimental studies on tourmaline</b>
9:40-10:00	Klaus-Dieter Grevel, Andreas Ertl, Franziska Wilke, Eleanor Berryman, Christian Lathe	In situ X-ray diffraction studies on tourmalines at high pressures and temperatures
cofee break		
<b>10:20-11:00</b>	<b>Barbara Dutrow, Darrell Henry</b>	<b>Tourmaline compositions: Reflecting the fluid phase</b>

11:00-11:20	Emily Scribner, Jan Cempírek, Lee Groat	Uvite and feruvite from lamprophyre dikes and metasediments near the O'Grady batholith in the Northwest Territories, Canada
11:20-11:40	Pavel Uher, Peter Bačík, Jakub Dikej, Tomáš Vaculovič	Tourmalines of the siderite-quartz-sulphide hydrothermal veins, Gemeric Unit, Western Carpathians, Slovakia: crystal chemistry and genetic aspects
<b>Lunch</b>		
<b>13:30-14:10</b>	<b>Horst Marschall</b>	<b>Tourmaline isotope geochemistry</b>
14:10-14:30	Lukáš Krmíček, Milan Novák, Robert Trumbull, Jan Cempírek, Stanislav Houzar	Boron isotopic variations in tourmaline from metacarbonates and associated calc-silicate rocks of the eastern part of the Bohemian Massif
cofee break		
<b>14:50-15:30</b>	<b>Vincent J. van Hinsberg, John C. Schumacher, John F. Slack, Horst Marschall</b>	<b>Trace elements in tourmaline</b>
15:30-15:50	James S. Lambert-Smith, Alexander Rocholl, David Lawrence, Peter Treloar	B-isotopes in tourmaline indicate common fluid sources in Orogenic Gold and Fe Skarn deposits in West Africa
16:00-19:00	<b>Meetings and open afternoon program</b> (available swimming pool, fitness, sauna, mountain bikes, facilities and equipment for tennis, streetball, petanque, pool, table tennis, etc.)	
19:00	<b>Dinner</b>	

**Sunday 25.6.**

<b>9:00-9:40</b>	<b>Robert B. Trumbull</b>	<b>Tourmaline applications to ore systems</b>
9:40-10:00	Ivan. A. Baksheev	Isomorphic substitutions and trace elements in hydrothermal tourmalines
cofee break		
10:20-10:40	Marta S. Codeço, Robert B. Trumbull, Philipp Weis, Filipe Pinto, Pilar Lecumberri-Sanchez	Hydrothermal tourmaline from the Panasqueira W-Sn-Cu deposit, Portugal: chemical and B-isotope constraints on fluid source and evolution
10:40-11:00	Marjorie Sciuba, Donald Grzela, Nelly Manégliá, Sheida Makvandi, Georges Beaudoin	Composition of tourmaline in orogenic gold deposits
11:00-11:20	Julita Biernacka	Authigenic tourmaline in Carboniferous and Permian siliciclastic rocks of western Poland
11:20-11:40	Ismahane Chaouche, Mohamed Talbi, Yves Fuchs	Synthetic study of the sources and origin of the gold deposit in the western Hoggar prospect (South of Algeria)
<b>11:40</b>	<b>Milan Novák</b>	<b>Symposium conclusion, discussion</b>
<b>Lunch</b>		

### Transportation to trains

**13:30-19:00 Afternoon program – trip to the Zelená hora UNESCO heritage site and the „Museum of the new generation“ in the baroque castle Žďár nad Sázavou.**

## Poster presentations:

<b>Ferdinando Bosi</b> , Stefano Cuccuru, Stefano Naitza, Henrik Skogby, Francesco Secchi, Aida M. Conte, Ulf Hålenius, Nathaly De La Rosa, Per Kristiansson, E.J. Charlotta Nilsson, Linus Ros, Giovanni B. Andreozzi	Schorlitic and foititic tourmalines from the Arbus pluton, Sardinia, Italy: A first detailed crystal-chemical study
<b>Zbyněk Buřival</b> , Milan Novák	Hydrothermal replacement of amblygonite-montebbrasite by blue tourmaline – examples from the Moldanubicum, Czech Republic
<b>Renata Čopjaková</b> , Radek Škoda, Michaela Vašíňová Galiová, Milan Novák	Simultaneous formation of fluor-schorl and fluor-elbaite in the Kracovice pegmatite, an effect of Fe and Mg on tourmaline stability
<b>Simone Ferreira da Silva</b> , Márcia Abrahão Moura, Hudson de Almeida Queiroz	Mineralogical characterization of tourmalines from Mata Azul Pegmatitic Field, Central region of Brazil
<b>Tomáš Flégr</b> , Milan Novák, Jan Cempírek, Jan Filip	Ti-rich schorl-bosiite from the Řečice elbaite-subtype pegmatite
<b>Elizabeth Levy</b> , Amitava Roy, Darrell Henry, Barbara Dutrow	Geochemical Analysis of Tourmaline: Coupling EPMA and XANES
<b>El Mahjoub Mahjoubi</b> , Lakhlifi Badra, Stanislas Sizaret, Alain Chauvet, Luc Barbanson, Yan Chen, Abdelkader El Maz	Tourmaline as a recorder of hydrothermal processes and a guide to mineral exploration in Achmmach tin deposit, Moroccan Central Hercynian Massif
<b>Katharina Marger</b> , Lukas P. Baumgartner, Benita Putlitz, Barbara L. Dutrow, Anne-Sophie Bouvier, Torsten Vennemann, Darrell J. Henry, Andrea Dini	Tourmaline reference materials for oxygen isotope analysis by SIMS
<b>Nancy McMillan</b> , John Curry, Barbara Dutrow, Darrell Henry	Lithologic determination of tourmaline based on Laser-Induced Breakdown Spectroscopy: An alternative approach to provenance studies

<b>Adam Pieczka</b> , Mateusz Sęk	Bosiite or not bosiiite? That is the question...
<b>Jiří Prokop</b> , Zdeněk Losos, Milan Novák, Petr Gadas	Hydrothermal alteration of tourmaline from pegmatites enclosed in serpentinites; examples from the Moldanubian Zone (Czech Republic)
<b>Tatiana Setkova</b> , Vladimir Balitsky, <b>Oleg Vereshchagin</b>	The problems of tourmaline single crystals growth
<b>Lenka Skřápková</b> , Jan Cempírek, Michaela Vašinová-Galiová	Fractionation in Li-tourmaline from the Lhenice lepidolite pegmatite - "darrellhenryite loop" in F-saturation
<b>Tamás Spránitz</b> , Zoltán Kovács, Benjámín Váczi, Kálmán Török, Sándor Józsa	Petrographic study of tourmaline-rich metamorphic rocks in the Sopron area, Eastern Alps (W-Hungary)
<b>Vladimir Šrein</b> , Petr Bohdálék, Jan Blažek, Marek Půlpán	Tourmaline in graphitic material as a potential provenience indicator in archaeology
<b>Scarlett Urbanová</b> , Jan Cempírek	Tourmaline vs. rare-element mineralization in the Velká Bíteš pegmatite field, Czech Republic
<b>Oleg S. Vereshchagin</b> , Andrey K. Khudoley, Victoria B. Ershova, Andrey V. Prokopiev	Provenience interpretation of tourmalines and garnets from Mesozoic rocks of northern part of Siberian craton