

Schedule of the sessions**Sunday, September 4, 2016**

8:30

Session**Opening of the Symposium
Radiation effects in minerals and materials****Talk/speaker**

8:45

Plenary - Radiation effects in minerals and nuclear materials/ Rodney C. Ewing

9:25-9:45

Ekanite (Ca₂ThSi₈O₂₀) from Sri Lanka: Concordant U–Th–Pb isotope system in spite of metamictization/ Lutz Nasdala

9:45-10:05

Structural radiation damage revealed by micro-luminescence spectroscopy of REE³⁺ emissions/ Christoph Lenz

10:05-10:20

Radioactive galenas from burning heaps after coal mining from the lower Silesian basin (Czech Republic)/ Michal Čurda et al.

10:30-11:00 Coffee break**Mineralogy and crystallography of uranium**

11:00-11:40

Plenary - Topological variability, properties, and formation mechanisms of uranyl peroxide cage clusters/ Peter C. Burns

11:40-12:00

Ewingite, Mg₈Ca₈(UO₂)₂₄(CO₃)₃₀O₄(OH)₁₂(H₂O)₁₃₈, a new mineral from the Plavno Mine, Jáchymov ore district, Western Bohemia, Czech Republic/ Travis A. Olds

12:00-12:20

New crystallographic data on several uranyl minerals/ Fabrice Dal Bo
Isomorphism, structural diversity and complexity in mixed uranyl sulfate-selenates/ Vladislav V. Gurzhiy

12:20-12:40

The investigation and comparison of the structural and topological complexity in the U(VI)-Se systems/ Olga S. Tyumentseva

12:40-13:00

Fe(UO₂)(SO₄)₂·5H₂O, a new uranyl sulfate mineral from the Willi Agatz mine, Dresden, Saxony, Germany/ Thomas Witzke

13:00-13:20

(Towards) the structure of shabaite-(Nd): another surprising structure among uranyl carbonates/ Jakub Plášil

13:20-13:40

13:40-14:40 Lunch

14:40-15:15

Topical talk

Jáchymov, since 1516 until nowadays: a brief history of a little-big mining town/ Jakub Plášil

15:45-16:00

Transfer to Jáchymov Museum

16:00-21:00

*Guided tour in the museum, beer party***Monday, September 5, 2016****Evolution of minerals**

9:00

Plenary - Structural complexity of minerals and mineral parageneses: information and its evolution in the mineral world / Sergey V. Krivovichev

9:40-10:00

Oxy-tourmalines – are they indicators of high O₂ activity?/ Milan Novák

10:00-10:20

Vránaite, a new borosilicate from the Manjaka pegmatite, Sahatany Valley, Madagascar: indicator of low a(H₂O)/ Jan Cempírek

10:20-10:50

Weathering of tetrahedrite: Mineralogy and geochemistry from the beginning to the end / Juraj Majzlan

10:50-11:15

Basic lead minerals in medieval firesetting and geogenic environments: mineralogy and stability relations / Max Keim

11:15-12:15 Coffee break**Crystal structures and crystal-chemical properties of complex minerals; new minerals**

12:15-12:55

Plenary - Tellurium? The element which keeps on keeping on: what we have learnt in the past decade studying tellurium oxysalts/ Stuart J. Mills

12:55-13:15

Crystal chemistry and structural relationships of layered Pb hydroxocarbonate minerals related to hydrocerussite / Oleg Siidra
Marklite - a new hydrated copper carbonate from Schwarzwald/ Jakub Plášil

13:15-13:35

13:35-14:30 Lunch**Crystal structures and crystal-chemical properties of complex minerals; new minerals**

14:30-14:50

Crystal structure and crystal chemistry of a new member of the sartorite homologous series/ Dan Topa

14:50-15:10

Mining for new minerals: the Lengenbach deposit (Switzerland)/ Nicolas Meisser

15:10-15:30

Crystal structure study of Silver-palladium chalcogenides/ František Laufek

15:30-18:00**Poster session****19:00-23:00 Conference dinner**