

SGA STUDENT CHAPTER PRAGUE INVITES YOU TO A LECTURE:

Occurrences & gemmological description of tourmaline and most important gemstone deposits of East Africa

May 7th – 8th 2022

9:00 - 17:00

VENUE:

ALBERTOV 6, PRAGUE
FACULTY OF SCIENCE
CHARLES UNIVERSITY
CZECH REPUBLIC

DR. TOM STEPHAN

MAIN SPEAKER

Dr. Tom Stephan is the vice-director of the German Gemmological Association in Europe's gemstone capital Idar-Oberstein. He studied geosciences at the Johannes Gutenberg-University in Mainz, Germany and wrote his Master's thesis about rubies from East Africa. In his Ph.D. thesis he worked on the mathematical description (spectral fitting) of UV/Vis/NIR-spectra to calculate the colour of rubies & emeralds. At the German Gemmological Association, he works as an instructor and researcher gemmologist.



REGISTRATION AND
PAYMENT DEADLINE:

APRIL 17th 2022

E-MAIL REGISTRATION:

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ENTRY FEE:

- SGA members: 5 € (125 Kč)
- Others: 12 € (300 Kč)

SCHEDULE:

The lecture will last from 9:00 to 17:00

- Beginning on Saturday 7th of May – 9:00
 - 10:30 – 11:00 coffee break
 - 12:30 – 13:45 lunch break
 - 14:30 – 15:00 snack break
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- Second half beginning on Sunday 8th of May – 9:00
 - 10:30 – 11:00 coffee break
 - 12:30 – 13:45 lunch break
 - 14:30 – 15:00 snack break

LECTURES:

First day

Tourmaline as a gemstone – a gemmological overview with special emphasis on Paraiba tourmaline

The tourmaline group is one of the most important groups of gemstones. The talk will give an overview of the geological formation of the very significant tourmaline occurrences, with special emphasis on the formation of the rarest variety – Paraiba tourmaline. Furthermore, the speaker will give an overview of the characteristics of the tourmaline gemstones, their colour causes and treatments, as well as the scientific aspects of investigating tourmalines in a gemmological laboratory.

Second day

Gemstone deposits of East Africa, with special emphasis on vanadium-bearing gemstones in Tanzania

The Mozambique Belt in East Africa hosts some of the most important gemstone deposits in the world. From a geological and gemmological point of view, the regions between Tanzania and Kenya, especially the Merelani Hills in Tanzania, are very interesting. Due to a unique enrichment of vanadium, this region produces some gemstones found exclusively here – for example, tanzanites, the violetish blue variety of the mineral zoisite. This second talk will give an overview of the geological formation of the East African gemstone deposits, with a special focus on the vanadium-bearing gemstones from the Merelani Hills, their characteristics, treatments, and scientific aspects of their investigation in gemmological laboratories.

Under the auspices of:

