



### Sakurai Medal to Yasuhiro Takai



Yasuhiro Takai

Yasuhiro Takai, while working at the Department of Earth and Planetary Sciences in Kyushu University (present affiliation; Enecom Co. Ltd), discovered the new mineral hizenite-(Y) (International Mineralogical Association number IMA2011-30). Hizenite-(Y) was discovered in a druse in an alkali olivine basalt (the Higashimatsuura basalt) that occurs throughout the Higashimatsuura Peninsula (Japan). The Higashimatsuura basalt has yielded rare-earth minerals and three new minerals: kimuraite-(Y), kozoite-(Nd) and kozoite-(La). The type locality of hizenite-(Y) is the same as that of kozoite-(La). Rhabdophane-(Y) (IMA2011-31) which is rare-earth phosphate, was also discovered from the Higashimatsuura basalt by Dr. Takai. Hizenite-(Y) occurs as platy crystals and forms radial aggregates in very close association with tenerite-(Y) and lokkaite-(Y). Hizenite-(Y) is white in color and translucent to transparent. It has a vitreous to silky luster on cleavage planes, which are perfect on {001}. The ideal formula is  $\text{Ca}_2\text{Y}_6(\text{CO}_3)_{11}\cdot 14\text{H}_2\text{O}$ . Hizenite-(Y) is a member of tenerite family, which includes the mineral species tenerite-(Y), kimuraite-(Y), and lokkaite-(Y). The dimensions of the *a* and *b* axes of hizenite-(Y) are similar to those of the other tenerite-family minerals. Hizenite-(Y) has an alternating structure of kimuraite-(Y) and lokkaite-(Y) in a one-to-one relation along *c* axis. The name 'Hizen' is for the classic name of the locality of the mineral, and now, it remains as the name of town in Karatsu City, Saga prefecture.

### DMG SECTIONS: GEOCHEMISTRY AND PETROLOGY/PETROPHYSICS



Participants at the DMG's 2018 Petrology/Geochemistry meeting in Göttingen (Germany).

The annual joint meeting of the Geochemistry and Petrology/Petrophysics sections of the German Mineralogical Society (DMG) took place 9–10 July at the Geosciences Centre of the University of Göttingen (Germany). Approximately 40 geoscientists from 11 research institutes across Germany and Austria attended the meeting. Many of the participants were PhD students and postdocs. The oral and poster presentations spanned an enjoyably diverse range of topics, from cosmochemistry, experimental petrology and volcanology, to low-temperature isotope geology and methodological developments in mass spectrometry and radiometric dating methods. After an inspiring oral program (13 talks) and an equally inspiring poster session (12 presentations), the canonical barbecue of the meeting took place on the north campus of the university. This excellent barbecue was organized by the geosciences study association of the University of Göttingen, who made provision for both the carnivorous and the vegetarian/vegan options. The poster session and barbecue alternated with several possible tours for the participants. The first was a visit to two new exhibitions at the university's Mineralogical Museum: one on minerals, and one specifically on amber. The second was to various demonstrations at the laboratories of the mineralogy and isotope geology departments. We are greatly looking forward to an equally exciting meeting in Heidelberg in 2019!

**Stefan Peters, Sara Fanara** (Göttingen),  
**Ronny Schönberg** (Tübingen), **Timm John** (Berlin)



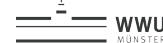
Save the date!

Past, Present, Future

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### JOURNAL OF MINERALOGICAL AND PETROLOGICAL SCIENCES

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#### Original Articles

**Laser step-heating  $^{40}\text{Ar}/^{39}\text{Ar}$  analyses of biotites from meta-granites in the UHP Brossasco-Isasca Unit of Dora-Maira Massif, Italy** – Tetsumaru ITAYA, Hironobu HYODO, Takeshi IMAYAMA and Chiara GROppo

**Spatial distribution of garnet indicating control of bulk rock chemistry in the Sanbagawa metamorphic rocks, Kanto Mountains, Japan** – Mutsuko INUI and Ayato TANIFUJI

**Early Miocene island arc tholeiite in the Mineoka Belt: Implications for genetic relationship with the Izu–Bonin–Mariana (IBM) arc** – Hatsuki ENOMOTO, Yuji ICHIYAMA and Hisatoshi ITO

**Mullite in a buchite from Asama volcano and its sub-micrometric core-rim texture with sillimanite** – Yohei IGAMI, Akira MIYAKE and Norimasa SHIMOBAYASHI

**Influence of low-molecular-weight dicarboxylic acids on the formation of calcium carbonate minerals in solutions with  $\text{Mg}^{2+}$  ions** – Mako MIYASHITA, Eri YAMADA and Motoharu KAWANO