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SEM 2014: 34TH MEETING OF THE SPANISH MINERALOGICAL SOCIETY

The 34th Annual Meeting of the Spanish Mineralogical Society (SEM 2014) was held in Granada (Spain), on July 1–4, 2014. The meeting was coordinated by Salvador Morales, Fernando Gervilla and José Torres (University of Granada). The program included a one-day workshop, posters and oral presentations, and a postmeeting field trip to the iron deposits of the Guadix Basin (Betic Cordillera).

Workshop Seminar: "Active Mining"

The seminar, which took place on July 1, kept its traditional formative objective through lectures by industry experts who provided an overview of the importance of mining and its role as an engine of the economy. The program consisted of 5 lectures and a final panel discussion. The lectures were:

"Las Cruces: An Innovative Example of the New Mining Activity in the Iberian Pyrite Belt" – Ivan Carrasco Martiáñez, mine-planning head, Cobre Las Cruces, S.A.

"New Exploration Techniques for Massive Sulfides in the Iberian Pyrite Belt" – Juan Manuel Pons Pérez, exploration manager, Minas de Aguas Teñidas, S.A.

"Mining and Critical Minerals" – Alfonso Gracia Plaza, president, Desarrollo de Recursos Geológicos, S.A.

"Geology and Exploration of the Aguablanca Mine (Badajoz)" – Cesar Martínez Chaparro, geology head, Lundin Mining

"Evaluation of Mining Resources for the Re-exploitation of the Alquife Fe-Mine" – Juan García Valledor, Minas de Alquife S.L.U.

Posters and Oral Presentations

Posters and oral presentations were held on July 2 and 3. In all, 94 presentations were delivered, 53 oral and 41 posters, involving nearly three hundred scientists. Contributions covered topics on mineralogy, petrology, geochemistry, mineral resources, environmental sciences, conservation of historical, geological and mining heritage, and clay minerals, among others. The SEM 2014 program featured two plenary

lectures: "Gold Associated with the Massive Sulfide Deposits in the Iberian Pyrite Belt" (Francisco Velasco) and "Critical Minerals in Europe: Methodology and Evaluation" (Manuel Regueiro). All these scientific contributions have been published in volume 18 of the SEM's journal, *Macla*.

Awards for Young Researchers

Awards for the best communications were given to Sergio Carrero Romero (University of Huelva) for "Movilidad de contaminantes durante la neutralización anóxica de drenajes ácidos de mina" and to Idoia Garate Olave (UPV/EHU) for "Caracterización petrográfica y geoquímica de las micas asociadas al sistema granito-pegmatita del área de Tres Arroyos (Albuquerque, Badajoz)."

ENCIENDE-SEM Award

The 2014 ENCIENDE-SEM Award was given during the SEM 2014 meeting. This contest was sponsored by the Spanish Society of Mineralogy, and the award aims to recognize the best educational initiative or innovative action promoting scientific careers among children and young students at the primary and high school levels in the field of the Earth sciences, especially in mineralogy, petrology and geochemistry. The 2014 award was won for the project "International Year of Crystallography," carried out by the Nuevo Méjico Primary School (Madrid). Ana Maria Pinto Campos received this award as head of the project.



SEM Ana Maria Pinto Campos, with Carlos Ayora (SEM president, left) and Juan Jiménez-Millán (SEM vice-president, right)

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Minerals, Nomenclature and Classification (#2011-043). Miyahisaite occurs in the namansilite-rich layer adjacent to the braunite- and aegirine-rich layers of the chert. The mineral is colorless and occurs as anhedral grains that are submicron to 10 μm in size, and it often forms a pseudomorphic aggregate (up to approximately 100 μm in size) along with fluorapatite. The simplified formula is $(\text{Sr,Ca})_2\text{Ba}_3(\text{PO}_4)_3\text{F}$, and its compositional ratio is in harmony with cation sites, as Sr + Ca and Ba occupy the small *M1* and large *M2* sites, respectively. This ordered type is divided into the hedyphane subgroup in the apatite supergroup.

Dr. Nishio-Hamane also contributed to the discoveries of epidote-(Sr) (#2006-055), momoite (#2009-026), ehimeite (#2011-023), takanawaite-(Y) (#2011-099), iseite (#2012-020), minohlite (#2012-035), vanadoal-lanite-(La) (#2012-095), adachiite (#2012-101), iwateite (#2013-034), imayoshiite (#2013-069), ferriakasaite-(La) (#2013-126), ferriandro-site-(La) (#2013-127), iyoite (#2013-130), and misakiite (#2013-131).

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ORIGINAL ARTICLES

Structural change induced by dehydration in ikaite ($\text{CaCO}_3 \cdot 6\text{H}_2\text{O}$)

Natsuki TATENO and Atsushi KYONO

Coexistence of jadeite and quartz in garnet of the Sanbagawa metapelite from the Asemi-gawa region, central Shikoku, Japan

Tomoki TAGUCHI and Masaki ENAMI

Cuprobismutite group minerals (cuprobismutite, hodrušhite, kupčikite and padéraitte), other Bi-sulfosalts and Bi-tellurides from the Obari mine, Yamagata Prefecture, Japan

Yuya IZUMINO, Kazuo NAKASHIMA, and Mariko NAGASHIMA

Ferropicrite from the Lalibela area in the Ethiopian large igneous province

Minyahl Teferi DESTA, Dereje AYALEW, Akira ISHIWATARI, Shoji ARAI, and Akihiro TAMURA