

IGC 2013 Final Programme

Hanoi, Vietnam 12-16 October 2013

Saturday 12 October	
18.00- 20.30	IGC Welcome reception in Hanoi at the Lake Side Hotel
20.30-22.00	Executive Committee Meeting
Sunday 13 October	
9.00-9.15	Opening Ceremony and Announcements
9.15-9.30	Greeting speech by VNU President
9.30-9.45	Greeting speech by DOJI President
9.45-10.00	Speech from Executive Committee
10.00-10.15	Official IGC Group Photo
10.15-10.30	Coffee Break
Corundum (Chairperson Emmanuel Fritsch)	
10.30-10.50	J.C. (Hanco) Zwaan, Eric Buter, Robert E. Kane: Mineral inclusions in alluvial sapphires from Montana - an update
10.50-11.10	M.A. Viktorov, A. D. Semina, M. I. Pshenichny: Sapphires from Koltashi deposits (Ural Mountains, Russia)
11.10-11.30	Dietmar Schwarz, Stefanos Karamelas, Lu Taijin, Claudio C. Milisenda: Kenya, Tanzania: ruby and sapphire – an update/review
11.30-11.50	Nguyen Ngoc Khoi, Christoph A. Hauzenberger, Chakkaphan Sutthirat, Duong Anh Tuan, Nguyen Thi Minh Thuyet, Nguyen Thuy Duong, Nguyen Van Nam, Chu Van Lam: The characteristics of gneiss-hosted corundum deposits of Tan Huong-Truc Lau area, Northern Vietnam
11.50-12.10	Pornsawat Wathanakul, Prayath Nantasin, Kachane Kraissitpong, Prakarn Buenkoontod, Marute Lekkean: New deposit style concept and characteristics of gem corundum, Phrae Province, Northern Thailand
12.10-13.30	Lunch (Lake Side Hotel: Azuma Japanese Restaurant)
Diamond (Chairperson: Pornsawat Wathanakul)	
13.30-13.50	Emmanuel Fritsch, Aurélien Delaunay, Benjamin Rondeau, Ichiro Sunagawa, Moreton Moore, Thomas Hainschwang: The morphology of natural and synthetic diamonds: Remaining challenges
13.50-14.10	Thomas Hainschwang, Emmanuel Fritsch, Franck Notari, Benjamin Rondeau, Andrey Katrusha: The origin of colour and correlated properties of natural type Ib diamonds
14.10-14.30	Hiroshi Kitawaki, Mio Hisanaga, Masahiro Yamamoto: Identification of gem diamonds using high-energy UV luminescence imaging
14.30-14.50	James E. Shigley: Observations on CVD-grown synthetic diamonds
14.50-15.10	Coffee Break
15.10-16.30	Poster Session 1 (See below)
18.00	Meeting point at Lake Side Hotel lobby to go on bus to dinner
19.00-21.00	Dinner at POTOMAC restaurant (on board on West lake)
21.00	Meeting point at the restaurant entrance to go on bus to Lake Side Hotel
Monday 14 October	
Diamond/Corundum/Pearl	
8.00-8.45	Executive Committee Meeting
Diamond/Corundum (Chairperson: Karl Schmetzer)	

9.00-9.20	S. Sivovolenko, R. Serov, Y. Shelementiev: Fancy colored diamonds cut optimization technology
9.20-9.40	Hpone-Phyo Kan-Nyunt, Lore Kiefert, Stefanos Karampelas: Characteristics of sapphires from the Kyat Pyin area, West Mogok, Burma (Myanmar)
9.40-10.00	Jayshree Panjekar, Aatish Panjekar: Yellow blue bicoloured sapphires from Chinnadharapuram, South India
10.00-10.20	Kentaro Emori, Hiroshi Kitawaki, Makoto Okano: The present situation of Beryllium diffusion corundum
10.20-10.40	Coffee Break
10.40-11.00	Shane McClure: The potential for Co-diffusion in sapphire
11.00-11.20	Hai An Nguyen Bui, Emmanuel Fritsch, Franck Notari, Alexandre Droux, Aurélien Delaunay, Benjamin Rondeau: Kashmir sapphires: geographical origin determination of top-quality blue sapphires versus science
Pearl (Chairperson: Henry Hänni)	
11.20-11.40	Shigeru Akamatsu: Cultured pearl – Present situation and future prospect
11.40-12.00	Terrence S. Coldham: Observations of natural pearls within freshly opened Pinctada maculata from Tongavera atoll, Cook Islands
12.00-13.00	Lunch (Lake Side Hotel: Royal Restaurant)
13.00-13.20	Laurent E. Cartier, Michael S. Krzemnicki, John Rere: Pearl or gemstone? Galatea pearls: a “new” pearl product from French Polynesia
13.20-13.40	Stefanos Karampelas, Enrique Arizmendi, Douglas McLaurin, Manuel Nava, Pierre Hardy, Lore Kiefert: Current situation of the pearl cultivation at Guaymas (Sonora) Mexico
13.40-14.00	Steve Kennedy: The pearl of Asia: examination of the pearl, a review of its history, and conjecture on its origin
14.00-14.20	Kenneth Scarratt: Additional data collected on natural and cultured pearls from P. maxima in Australian waters
14.20-14.40	Sutas Singbamroong, Nazar Ahmed: Digital SLR camera applied to investigation of X-ray luminescence of pearl
14.40-15.00	Abeer Tawfeeq Al-Alawi, Stefanos Karampelas, Osama Taqi: Comparison of “cavities” in saltwater natural pearls and saltwater cultured pearls without bead
15.00	Meeting point at Lake Side Hotel lobby to go on bus to visit Ruby Plaza (DOJI)
15.30-18.30	Ruby Plaza tour, Gems Show and Auction
18.30-21.00	GALA DINNER (Invited by VNU and DOJI Presidents)
21.00	Meeting point at Ruby Plaza lobby to go on bus back to Lake Side Hotel
Tuesday 15 October	
Beryl, chrysoberyl, spinel, garnet (Chairperson: Jayshree Panjekar)	
9.00-9.20	Jurgen Schnellrath, Ricardo Scholz, Dietmar Schwarz, Stefanos Karampelas, Ariadne Senna Azzaro: Itatiaia mine: a new emerald occurrence near Conselheiro Pena, Minas Gerais, Brazil
9.20-9.40	Jean Marie Dereppe, Claudette Moreaux: Identification of Maxixe beryls by EPR
9.40-10.00	Le Thi-Thu Huong, Tobias Häger, Wolfgang Hofmeister, Stefanos Karampelas, Nguyen-Duc Trung-Kien: New features to identify natural and synthetic emerald by vibrational spectroscopy
10.00-10.20	Karl Schmetzer, Michael S. Krzemnicki, Thomas Hainschwang, Heinz-Jürgen Bernhardt: The role of vanadium and titanium in natural and synthetic chrysoberyl and alexandrite – coloration, chatoyancy and asterism
10.20-10.40	Coffee Break
10.40-11.00	Edward Boehm: A comparative overview of inclusions in spinel
11.00-11.20	Tobias Häger, Christoph A. Hauzenberger, D. Zimmer, Nguyen Ngoc Khoi, Duong Anh

	Tuan, Le Thi-Thu Huong, Wolfgang Hofmeister: Causes of colour of natural untreated spinels from Vietnam in comparison to flame fusion and flux grown synthetics
11.20-11.40	Henry A. Hänni: Rare Earth Elements in mint green grossular garnet from Merelani, Tanzania
11.40-12.00	Jaroslav Hyrsl: Spectroscopic study of chrome pyropes from different sources
12.00-13.30	Lunch (Lake Side Hotel: Azuma Japanese Restaurant)
Topaz, zoisite, feldspar, quartz, jade, optical effect (Chairperson: Hanco Zwaan)	
13.30-13.50	Masaki Furuya: Spectroscopic study of electron-irradiated OH-type topaz
13.50-14.10	Claudio C. Milisenda, Kathrin Wehr, Michael Wild: Zoisite from Pakistan
14.10-14.30	Willow Weight: Canadian labradorite – classic colour
14.30-14.50	Ulrich Henn, Rainer Schultz-Güttler: Special features in quartz colours
14.50-15.10	Mimi C. M. Ouyang, Miro F. Y. Ng: The zonal texture and isomorphic series in Fei Cui minerals
15.10-15.30	Michael S. Krzemnicki, W. Zhou, J. Maizlan: Colour change effects in gemstones: causes and perception
15.30-15.50	Coffee Break
15.50-17.00	Poster session 2 (see below)
18.00	Meeting point at the Lake Side Hotel lobby to go on bus to dinner
19.00-21.00	Apéritif and Dinner at Phu Son Cultural Center in Bac Ninh province
21.00	Meeting point at the entrance of the restaurant to go on bus back to Lake Side Hotel
Wednesday 16 October	
8.00-8.45	Executive Committee Meeting
Glass, historic jewelry, occurrence, application (Chairperson: Ulrich Henn)	
9.00-9.20	Karen E. Fox: Optical spectroscopy of iron in sodium silicate glasses
9.20-9.40	Elisabeth Strack, Ruslan I. Kostov: Gemmological examination of jewellery objects from the Veliki Preslav treasure in Bulgaria
9.40-10.00	Anette Clausen: Gemstones of Greenland
10.00-10.20	Michael Gray: Gemstone mining in the United States in the previous decade
10.20-10.40	Coffee Break
10.40-11.00	Menahem Sevdermish: Further research into digital color analysis and communication of color in gems
11.00-11.20	Yuri Shelementiev, Sergey Sivovolenko: Digital Microscopy applications in gemology
11.20-12.00	Announcements
12.00-13.30	Lunch (Lake Side Hotel: Royal Restaurant)
13.30-14.30	Conference Closing Ceremony
14.30	Conference ends
POSTERS (10 minute presentation per author)	
Sunday, 13 October	
15.10	Chakkrich Boonmee, Natthapong Monarumit, Sermrak Ingavanija, Somruedee Satitkune, Pornsawat Wathanakul: Structural and chemical analysis of Thai ivory from Lampang Province using SEM/EDS and LA-ICP-MS
15.20	Gagan Choudhary, Shyamala Fernandes: Inclusions in Indian rubies
15.30	Christoph A. Hauzenberger, Nguyen Ngoc Khoi, Chakkaphan Sutthirat, Tobias Häger, Pornsawat Wathanakul, Duong Anh Tuan: Genesis of corundum with spinel corona from Truc Lau and Kinh La, North Vietnam
15.40	Arunas Kleismantas: XVII – XVIII century garnet-garnet doublets imitating rubies
15.50	Liu-Shang-I, George Bosshart, Peng Ming-sheng: Causes of colour in natural and

	irradiated green spodumene
16.00	Gamini Zoysa: Sapphire deposits of Sri Lanka – past & present
16.10	Natthapong Monarumit, Thitinun Chantrakul, Pongsakorn Jantaratana, Pornsawat Wathanakul: Application of dielectric constant values for identifying ruby samples from Myanmar and Mozambique
16.20	Nguy Tuyet Nhung, Le Thi Thu Huong, Nguyen Thi Le Quyen, Tran Thi Duyen, Dinh Thi Hue, Tran Thi Lan: Gemstones from the Luc Yen pegmatite in Vietnam
16.30	Aumaparn Phlayrahan, Natthapong Monarumit, Lucksika Loetwanitsakul, Somruedee Satitkune, Pornsawat Wathanakul: The alteration of structural OH group in FTIR spectra on ruby samples from Mong Hsu, Myanmar and Montepuez, Mozambique
Tuesday, 15 October	
15.50	Somruedee Satitkune, Bhuwadol Wanthanachaisaeng, Krit Won- in, Wiwat Wongkokau, Pongsakorn Chantararat, Thanong Leelawattanasuk, Pornsawat Wathanakul: Heat treatment of zircon samples from Kanchanaburi, Thailand and Ratanakiri, Cambodia
16.00	Chanikarn Sanguanphun, Natthapong Monarumit, Thanapong Lhuaamporn, Wiwat Wongkokua, Somruedee Satitkune, Pornsawat Wathanakul: Effect of electron irradiation on diamond surfaces using Atomic Force Microscope
16.10	John M. Saul: Gemstone occurrences, “organic” odors, and a circular structure in the collision zone between East and West Gondwana
16.20	Y. Shelementiev, R. Serov, E. Altunina, M. Pshenichnyy: Alteration of the mineral inclusions behavior in corundum during heat treatment process
16.30	Elizabeth Su: Classification of jadeite
16.40	Sora Shin, Jingyo Seo, Yongkil Ahn, U. Tin Hlaing, Jongwan Park: Differentiation of the colourless gemstones: phenakite, petalite, pollucite and goshenite
16.50	Panjawan Thanasuthipitak, Chawalit Chankhantha, Theerapongs Thanasuthipitak: Heat treatment of coloured beryl from Madagascar
17.00	Nguyen Thi Minh Thuyet, Nguyen Ngoc Khoi, Christoph Hauzenberger, Nguyen Hoang, Duong Anh Tuan: Some gemmological characteristics of peridot from South Vietnam