

Report on 19th International Conference on Flow Injection Analysis and Related Techniques (ICFIA 2014) & 30th Anniversary Meeting of the Japanese Association of Flow Injection Analysis (JAFIA), held in Fukuoka, Japan, November 30–December 5, 2015.

Gary D. Christian

*Department of Chemistry, University of Washington, Box 351700
Seattle, WA 98195-1700 USA*

1. Introduction

The joint meeting of ICFIA and JAFIA was held at ACROS Fukuoka, in the South area of Japan on the Kyushu Island. It was hosted by Toshihiko Imato, Kyushu University, Chair, and colleagues from the local organizing committee: T. Sakai, S. Motomizu, K. Oguma, H. Haraguchi, T. Hobo, K. Takamura, and N. Yoza. Vice chairs were T. Nagaoka, H. Itabashi, N. Teshima, N. Ura, and K. Higuchi. It was organized by the Japanese Association for Flow Injection Analysis (JAFIA), and was co-sponsored by The Japan Society for Analytical Chemistry (JSAC), the Kyushu Branch of JSAC, and the Kyushu Branch of the Chemical Society of Japan, as well as by the Fukuoka City Convention & Visitors Bureau (FCVB) and the Organization for Promotion of Academic City by Kyushu University (OPACK). The meeting coincided with the 30th anniversary meeting of JAFIA. Our congratulations on this momentous occasion.

There were 198 participants from 16 countries: Australia, Brazil, Canada, China, Czech Republic, Egypt, Indonesia, Japan, Poland, Portugal, Russia, Slovakia, Spain, Sweden, Thailand, and the United States. JAFIA was well represented with 75 participants, including 23 students. There were a total of 66 student participants. Thailand had 48 participants, including many students.

2. Social Events

A welcome reception was held on Sunday evening, with fine Japanese wine, beer and food, where regular attendees and new ones met. The accompanying persons enjoyed a walking tour of Fukuoka City and tea ceremony experience on Monday, and a tour of Dazifu and Yanagawa on Tuesday. Wednesday was free for an excursion by all to the old Japanese city, Hita, and Beppu hot springs. We had a delightful lunch at the Sapporo beer garden.

The conference banquet was held Thursday evening at Hakata Hyakunengura, with a multicourse dinner. Following the banquet, the traditional opening of the Sake barrel was done by several guests, by hitting the top with wooden mallets. Then JAFIA awards were given (below), followed by a Japanese dance show, and a bingo game, and photo guessing games.

3. Scientific Program

The program included 14 invited lectures and 55 oral presentations, including 31 in special sessions for young



investigators, and 108 poster presentations, held Monday, Tuesday, Thursday, and Friday. The oral presentations were chaired by Shoji Motomizu, Pawel Kościelniak, Koichi Oguma, Petr Solich, Jin-Ming Lin, Orawon Chailapakul, Hideyuki Itabashi, Manuel Miró, Spas Kolev, António Rangel, Kazuhisa Yoshimura, Kei Toda, Masaki Takeuchi, Shin-Ichi Ohira, Kin-ich Tsunoda, Norio Teshima, Victor Cerdà, Kate Grudpan, Marek Trojanowicz, Jianhua Wang, Ming-Ren Fuh, Masanobu Mori, Hitoshi Mizuguchi, Yasushi Hasebe, Kiyoshi Matsumoto, Jaroon Jakmunee, and Yasuhiro Iida.

4. Invited Lectures

The program began Monday morning with a lecture by Gary Christian (University of Washington, USA) entitled “Talanta, JFIA, and ICFIA – A History”. Talanta has been pleased to publish Special Issues for ICFIA conferences since 1995, the beginning of the joint meeting of ICFIA/JAFIA. A history of *Talanta* from its beginnings was given, along with a history of special issues devoted to ICFIA. JFIA has published reports on the conference since 1992, beginning with the Fourth Winter Conference on Flow Injection Analysis (WCFA), with reports in English provided by Gary Christian and reports in Japanese provided by JAFIA members. A list of all special issues and reports is provided here for the record in Table 1.

Marek Trojanowicz (University of Warsaw, Poland) followed, describing flow analysis as an advanced branch of flow chemistry, comparing with flow synthesis systems. Spas Kolev (The University of Melbourne, Australia) described a hybrid flow system integrating on-line leaching and membrane separation for automatic dynamic fractionation and speciation of inorganic arsenic in environmental solids. António Rangel

Table 1 A list of special issues and reports

WCFA/ICFIA		Talanta Special Issue	
VII, Seattle 1995		43 (6) (1996), pp. 811–983	
VIII, Orlando 1997		45 (3) (1998), pp. 477–599	
IX, Seattle 1998		49 (5) (1999), pp. 961–1108	
X, Prague 1999		52 (1) (2000), pp. 1–167	
XI, Chiang Mai 2001		58 (6) (2002), pp. 1023–1383	
XII, Mérida 2003		64 (5) (2004), pp. 1067–1370	
XIII, Las Vegas 2005		68 (2) (2005), pp. 155–487	
XIV, Berlin 2007		77 (2) (2008), pp. 461–924	
XV, Nagoya 2008		79 (4) (2009), pp. 977–1188	
XVI, Pattaya 2010		84 (5), (2011), pp. 1197–1410	
XVII, Krakow 2011		96 (2012) pp. 1–242	
XVIII, Porto 2013		Virtual Special Issue, 2014	
XIX, Fukouka 2014		Virtual Special Issue, 2015	
WCFA/JFIA		JFIA Reports	
		English	Japanese
IV, Scottsdale 1992		9 (1) (1992), p. 85	9 (1) (1992), pp. 86–87
VII, Seattle 1995		12 (2) (1995), pp. 229–238	
		12 (2) (1995), pp. 249–254	
VIII, Orlando 1997			14 (1) (1997), pp. 59–60
			14 (1) (1997), pp. 61–63
XIX, Seattle 1998			15 (2) (1998), pp. 250–252
X, Prague 1999			16 (2) (1999), pp. 269–271
XI, Chiang Mai 2001			19 (1) (2002), pp. 47–49
XII, Mérida 2003		21 (1) (2004), pp. 2–4	21 (1) (2004), pp. 63–68
XIV, Berlin 2007		24 (2) (2007), pp. 127–133	24 (2) (2007), pp. 134–137
XV, Nagoya 2008		25 (2) (2008), pp. 186–189	
		25 (2) (2008), pp. 190–191	
XVI, Pattaya 2010		27 (1) (2010), pp. 66–77	27 (1) (2010), pp. 63–65
XVII, Krakow 2011		28 (1) (2011), pp. 34–38	
		28 (2) (2011), pp. 153–156	
XVIII, Porto 2013		30 (2) (2013), pp. 136–139	30 (2) (2013), pp. 140–142
TrAC reports (G. D. Christian):			
V, 1993		12 (3) (1993), pp. viii–ix	
VI, 1994		13 (4) (1994) (1994) p. v	
VII, 1995		15 (1) (1996) p. vii–viii	
XI, 2001		21 (4) (2002) x–xiv	
XII, 2003		23 (2) (2004) xiv–xvi	
XIII, 2005		24 (7) (2005) 560–563	
XV, 2008		28 (2) (2009) 131–134	

(Universidade Católica Portuguesa, Portugal) described flow analysis approaches to handle saline water samples.

On Tuesday, *Víctor Cerdà* (University of the Balearic Islands, Spain) reported on the optimization of analytical techniques using the gradient and simplex methods. *Kate Grudpan* (Chiang Mai University, Thailand) suggested green

approaches for flow based chemical analysis employing material/phenomena available naturally. *Jianhua Wang* (Northeastern University, China) reported on cell manipulation by a genetic engineering approach for highly selective uptake of metal species. *Manuel Miró* (University of the Balearic Islands, Spain) coupled microdialysis sampling with advanced

flow methodology for determination of trace elements in soil environments. *Kazuhisa Yoshimura* (Kyushu University, Japan) described the analytical application of solid phase to flow trace analysis. *Jin-Ming Lin* (Tsinghua University, China) reported on chemiluminescence from the decomposition of peroxymonocarbonate, peroxymonosulfate or peroxyxynitrous acid and their application in flow injection analysis.

On Thursday, *Purnendu (Sandy) Dasgupta* (The University of Texas at Arlington, USA) described his ion chromatograph for extraterrestrial exploration to be used on a mission to Mars. *Paweł Kościelniak* (Jagiellonian University in Krakow, Poland) described a generalized calibration strategy – its theory and practice. *Petr Solich* (Charles University in Prague, Czech Republic) discussed the importance of the stationary phase in sequential injection chromatography. *Orawon Chailapakul* (Chulalongkorn University, Thailand) described macro/micro flow-based analysis coupled with electrochemical detection.

5. Oral Presentation

Instrumentation/detection/devices/software

There were a number of presentations dealing with novel systems for performing flow analysis measurements. Beginning Monday morning, *Yongliang Yu* (Northeastern University, China) described a dielectric barrier discharge-optical emission spectrometric system and its application in analyzing trace elemental species. *Shoji Motomizu* (Okayama University, Japan) described a computer-controlled intermittent flow system for multi-component detection/mobile chemical analysis

(MCD/MCA). *Jessica Avivar* (University of the Balearic Islands, Spain) described smart systems as a step forward in automation. *Don Olson* (Global FIA, USA) reported on a pedagogical and research tool for SIA, LOV and zone fluidics.

Separation, preconcentration, reactors, reagents

Various approaches were utilized in sample handling and analysis. *Orawan Kritsunankul* (Naresuan University, Thailand) determined chemical oxygen demand of wastewaters by a multicommutated injection spectrophotometric system with on-line UV photooxidation. *Kiyoko Takamura* (Tokyo University of Pharmacy and Life Sciences, Japan) told how to avoid the photo-sensitizing effect of porphyrin complex reagent on the flow injection analysis of hydrogen peroxide. *Bohdan Josypczuk* (J. Heyrovsky Institute of Physical Chemistry of AS CR, Czech Republic) employed electrochemical biosensors in flow systems based on detection of reduction processes. *Mingli Chen* (Northeastern University, China) used β -FeOOH decorated carboxylic graphene oxide for arsenic removal from water and arsenic preconcentration at ultra-trace levels.

Jasaki Takeuchi (The University of Tokushima, Japan) described a Nafion tube-based carbonate removal device for ion chromatography. *Shin-Ichi Ohira* (Kumamoto University, Japan) developed electrochemical separation and preconcentration for chromium speciation analysis. *Rattikan Chantiwas* (Mahidol University, Thailand) reported on a simple and low cost fabrication of cross PMMA microchannels using an in-house hot embossing method for use in microelectrophoresis separation.



Applications

Flow and related methods continue to offer advantage in providing analytical solutions, as evidenced from the variety of reported applications. *Jaroon Jakmunee* (Chiang Mai University, Thailand) developed a small scale method based on flow injection colorimetry for determination of soil organic matter. *Hermin Sulistyarti* (University of Brawijaya, Indonesia) described a simple flow injection-spectrophotometric method for iodide determination based on the formation of blue starch-iodine complex. *Kin-ichi Tsunoda* (Gunma University, Japan) reported a new determination method of inorganic ions using electrospray ionization mass spectrometry. *Kei Toda* (Kumamoto University, Japan) used sequential analysis to determine dissolved dimethyl sulfide and dimethylsulfoniopropionate in seawater by ion-molecule reaction-mass spectrometry.

Norio Teshima (Aichi Institute of Technology, Japan) developed a flow injection analysis procedure to determine phosphorus in iron and steel. *Yasuhiro Iida* (Kanagawa Institute of Technology, Japan) developed a highly sensitive and wide range determination system for L-ascorbate using an FIA based electrolytic device. *Gulnara Safina* (University of Gothenburg, Sweden) described an amperometric enzyme biosensor based on nanostructured material for flow-injection analysis of glucose. *Yasushi Hasebe* (Saitama Institute of Technology, Japan) developed a flow amperometric inhibition type biosensor using tyrosinase-modified carbon-felt. *Hitoshi Mizuguchi* (Yamagata University, Japan) described the electrochemical determination of arsenite using a track-etched microporous membrane electrode in a flow system. *Edgar Paski* (British Columbia Institute of Technology, BC Canada), an expert on analytical validation, presented "Is My Calibration OK?". *Duangjai Nacapricha* (Mahidol University, Thailand) described the simultaneous

determination of iron and creatinine in urine from thalassemic patients by cross injection analysis. *Masanobu Mori*, (Gunma University, Japan) developed a flow analytical system for heavy metal ions using a calcium alginate-modified silica gel packed column.

6. Special Sessions for Young Scientists

Special sessions featuring young scientists to 35 years of age were held Monday, Tuesday, and Thursday afternoons.

Instrumentation/detection/devices/software

Andrey Bulatov (Saint Petersburg State University, Russia) described a microfluidic device based on stepwise injection analysis. *Fan Yang* (Kyushu University, Japan) developed a new design of a PDMS monolithic optical system as "bit-oriented optical fabrication". *Noboru Hirakawa* (Kyushu University, Japan) reported on lasing with whispering-gallery modes from an on-site microrods device fabricated by a micro dispensing technique. *Mitsuhiro Nakano* (Kyushu University, Japan) described a micro MOPA system fabrication by a micro-dispensing method. *Kanokwan Kiwfo* (Chiang Mai University, Thailand) reported on chemical analysis with microfluidics approaches employing cotton cloth, paper and simple plant extract: a common modern analytical science employing traditional and culture links of Japan and Thailand.

Burkhard Horstkotte (Charles University in Prague, Czech Republic) continued the exploration of in-syringe stirring for applications beyond dispersive liquid-liquid micro-extraction. *Kamil Strzelak* (University of Warsaw, Poland) used a multicommutated flow analysis system for microproteinuria diagnostics. *Piyawan Phansi*, (Mahidol University, Thailand) described an automated in-chip-catalytic-spectrophotometric method for determination of copper(II) using a multisyringe



flow injection analysis-multipumping flow system (Chip-MSFIA-MPFS). *Weena Siangproh* (Srinakharinwirot University, Thailand) described applications of electrochemical sensors for flow-based systems.

Separation, preconcentration, reactors, reagents

Nuanlaor Ratanawimarnwong (Srinakharinwirot University, Thailand) described a new membraneless vaporization unit with fully automatic control of liquid handling, aeration and air-vent for analysis of volatile compounds. *Warunya Boonjob* (Charles University in Prague, Czech Republic) described sequential injection into renewable bead sorbent materials for solid-phase extraction with direct coupling of liquid chromatography to tandem electrospray mass spectrometry. *Fernando Maya* (University of the Balearic Islands, Spain) described a flow-based preparation of porous coordination polymer coatings. *Mahmoud El-Maghrabe* (Nagasaki University Japan and Mansoura University, Egypt) developed an FIA method for semicarbazide-sensitive amine oxidase activity in human serum using an online reaction between the enzymatically produced benzaldehyde and 1,2-diaminoanthraquinone.

Julaluk Noiphung (Chulalongkorn University, Thailand) developed simultaneous human ABO and Rh blood typing by paper-based assay. *Temsiri Songjaroen* (Chulalongkorn University, Thailand) described microfluidic paper-based analytical devices for whole blood separation based on a wax dipping method. *Raquel B. R. Mesquita* (Universidade Católica Portuguesa/Porto, Portugal) explored 3-hydroxy-4-pyridinone chelators as low toxicity chromogenic reagents for iron determination in natural waters. *Tamer H.A. Hasanin* (Hiroshima University, Japan and Minia University, Egypt) developed an automated method for the selective determination of gold (III)/gallium (III) binary mixtures by on-line solvent extraction and reversed micellar mediated chemiluminescence detection using rhodamine B. *Adlin N. Ramdzan* (The University of Melbourne, Australia) determined

salivary cotinine via automatic solid phase extraction using a bead-injection lab-on-valve approach hyphenated to hydrophilic interaction liquid chromatography.

Petr Chocholouš (Charles University in Prague, Czech Republic) studied gradient elution mode in sequential injection chromatography. And *Kan Hyo* (Doshisha University, Japan) studied the elution behavior of proteins in tube radial distribution chromatography (TRDC). *Satoshi Fujinaga* (Doshisha University, Japan) studied inner and outer phase formation in TRDP using two-phase separation mixed solvent systems. *Yuki Shiraishi* (Kanagawa Institute of Technology, Japan) reported on development of an evaluation system of β -secretase activity in combination with an immobilized recombinant fusion β -secretase and a flow system.

Applications

Akhmad Sabarudin (Brawijaya University, Indonesia) developed flow-based analytical methods for analytical and bioanalytical applications. *Kamila Kolacińska* (Institute of Nuclear Chemistry and Technology, Poland) determined ^{90}Sr using a MSFIA-LOV system with ICP-MS detection. *Sofia M. Rodrigues* (University of Porto, Portugal) described fluorescence quenching of CdTe quantum dots induced by EDTA for free Ca^{2+} determination. *I.A. Owolabi* (Tshwane University of Technology, South Africa) determined speciation of vanadium in environmental samples from selected farms in the vicinity of a vanadium plant.

7. Poster Sessions

Posters were held in three sessions, following lunch on Monday, Tuesday, and Thursday afternoons. There were 109 posters. Presentations covered a broad spectrum of flow analysis topics, including fundamental studies, instrumentation, microfluidics, detection, on-line processing, and applications.



8. JAFIA Awards

The Japanese Association for Flow Injection Analysis presented, at the banquet, their prestigious FIA awards for 2014, consisting of a certificate and a medal. The FIA Award for Science was given to *Jinahua Wang* (Northeastern University, China) and *Aristidis Anthemidis* (Aristotle University of Thessaloniki, Greece).

The FIA Award for Young Investigators was given to *Petr Chocholouš* (Charles University, Czech Republic), *Akhmad Sabarudin* (Brawijay University, Indonesia), *Andrey Bulatov* (St. Petersburg University, Russia), *Weena Siangproh* (Srinakharinwirot University, Thailand), *Burkhard Horstkotte* (Charles University, Czech Republic), and *Nuanlaor Ratanawimarnwong* (Srinakharinwirot University, Thailand).

The FIA Award for Technical Development was given to *Don Olson*, *Graham Marshall*, and *Duane Wolcott* of Goba FIA, USA.

Our congratulations to all.

9. Award Ceremony of Best Oral and Poster Presentations for Young Researchers

Certificates were given for the top 20 poster presentations, selected by a committee. The winners were:

1P10 Hirochika Kojima, Gunma University, Japan

Determination of Silicic Acids by Electrospray Ionization Mass Spectrometry Using Dehydration Reaction at the Interface

1P13 Marta Fiedoruk, University of Warsaw, Poland

Multicommutated Flow Analysis System for Hyperphosphatemia Diagnostics

1P15 Nathawut Choengchan, FIRST Labs, and King Mongkut's Institute of Technology, Thailand

A Cross Injection System for Simultaneous Determination of Glucose, Albumin and Creatinine in Urine from Diabetic Patients

1P17 Waleed Al-Ahmad, FIRST Labs, and Mahidol University, Thailand

Membraneless Vaporization with a Contactless Conductivity Based-Detection for Simultaneous Determination of Ammonium and Sulfide in Waters and Wastewaters

1P25 Jessica Avivar, University of the Balearic Islands, Spain
In-Syringe Magnetic Stirring-Assisted Dispersive Liquid-Liquid Microextraction of Phenolic Pollutants Prior Multisyringe Chromatography Analysis

1P26 Kanchana Uraisin, FIRST Labs, and Mahidol University, Thailand

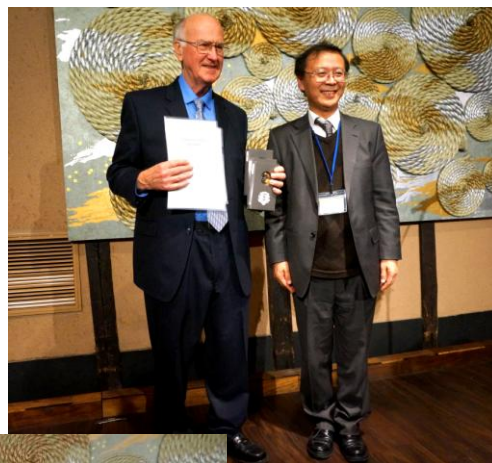
Continuous Flow Reactor with On-Line Monitoring System for Study of Efficiency of Nitrogen Dioxide Removal by Photocatalyzed Titanium Dioxide

1P30 Hiroyuki Nakata, Osaka Prefecture University, Japan
Preparation of Bacteria-Responsive Polymer Membranes and Their Sensing Abilities

2P12 Yukihide Nakamura, Kumamoto University, Japan
Micro Ion Extractor for One Drop Whole Blood Analysis

2P13 Oxana Zahalkova, University of Gothenburg, Sweden
Array of Individually Addressable Microelectrodes Modified with Controllable Electrochemical Deposition of Platinum Nanoparticles

2P14 Michał Michalec, University of Warsaw, Poland
Multicommutated Flow Analysis System for Bioreactors Testing



2P26 Thapanee Prueksatrakul, FIRST Labs, and Mahidol University, Thailand

Development of Automated Sequential Injection Extraction of Volatile Fatty Acids in Effluent from Palm Oil Mill with GC Analysis

2P30 Yaowalak Khanhuathon, Aichi Institute of Technology, Japan and Chiang Mai University, Thailand

Sequential Injection Lab-At-Valve with Monosegmentation for the Determination of Protein and Creatinine in Urine Samples

2P35 Shuai Guo, Kyushu University, Japan

Development of Electrogenated Chemiluminescence Sensor for Immunoglobulins by Using Carbon Quantum Dots as Emitter

4P2 Pakorn Varanusapakul, Chulalongkorn University, Thailand
Electro-Enhanced Hollow Fiber Membrane Liquid Phase Microextraction of Cr(VI) in Drinking Water Samples

4P4 Piyawan Phansi, FIRST Labs. and Mahidol University, Thailand

Simultaneous Determination of Salinity, Phosphate, and Carbonate in Natural Water Using a Flow Injection System

4P19 Raquel B. R. Mesquita, Universidade Católica Portuguesa/Porto, Portugal

Solid Phase Spectrometry for Copper, Zinc and Cadmium Determination in Natural Waters Using a SI-LOV System

4P21 Takamasa Kinoshita, Osaka Prefecture University, Japan
Electron Microscopic Tracking Growth Process of Tadpole-Shaped Hybrid Composed of Au NPs and Polyaniline

4P25 Inês I. Ramos, Universidade do Porto, Portugal

ORAC-PGR Methodology to Estimate Antioxidant Capacity:

A Widely Employed Assay under a New Automated Format

4P26 Napaporn Youngvises

Thammasat University, Thailand

A Novel Microfluidic System Incorporating to Optical Sensors for Simultaneous Determination of Six Chemical Parameters in Natural Waters

4P35 Andrey Shishov, Saint Petersburg State University, Russia

The Chromatomembrane Method Used for Sample Preparations in the Stepwise Injection Spectrophotometric Determination of Glycerol

Awards were also given for the top 10 young researcher oral presentations:

1YO3 Warunya Boonjob, Charles University in Prague, Czech Republic

Sequential Injection into Renewable Bead Sorbent Materials for Solid-Phase Extraction with Direct Coupling of Liquid Chromatography to Tandem Electrospray Mass Spectrometry

1YO4 Fernando Maya, University of the Balearic Islands, Spain

Flow-Based Preparation of Porous Coordination Polymer Coatings

2YO3 Wasin Wongwilai, Chiang Mai University, Thailand

Analytical Chemistry Made Easy with Every Day Modern IT for Flow Based and Down Scaling Analysis

2YO4 Tamsiri Songjaroen, Chulalongkorn University, Thailand

Microfluidic Paper-Based Analytical Devices for Whole Blood Separation Based On Wax Dipping Method



2YO5 Raquel B. R. Mesquita

Universidade Católica Portuguesa/Porto, Portugal

Exploring 3-Hydroxy-4-Pyridinone Chelators as Low Toxicity Chromogenic Reagents for Iron Determination in Natural Waters

2YO6 Kamila Kołacińska

Institute of Nuclear Chemistry and Technology, Poland

Determination of ^{90}Sr Using MSFIA-LOV System with ICP-MS Detection

2YO8 S. Sofia M. Rodrigues, University of Porto, Portugal

Fluorescence Quenching of CdTe Quantum Dots Induced by EDTA for Free Ca^{2+} Determination

2YO9 Kamil Strzelak, University of Warsaw, Poland

Multicommutated Flow Analysis System for Microproteinuria Diagnostics

4YO4 Alejandro Ayala, Aichi Institute of Technology, Japan

Catalytic Determination of Vanadium and Iron by Simultaneous Injection Effective Mixing Analysis System

4YO7 Yuki Shiraishi, Kanagawa Institute of Technology, Japan

Development of Evaluation System of β -Secretase Activity in Combination with a Immobilized Recombinant Fusion β -secretase and a Flow System

10. JAFIA Celebrates Thirty Years

JAFIA turned thirty in 2013, and we celebrated with this 30th anniversary meeting. Our congratulations to them on this special occasion. A plaque from ICFIA, signed by Gary and Sue Christian, co-founders, commemorating the many invaluable contributions of JAFIA and its members to the ever-growing field of FIA and to ICFIA was presented to JAFIA president, Toshihiko Imato, by Gary at the banquet.



For a tribute and a brief history of JAFIA, see JFIA, Vol. 30, No. 1, June, 2013, p. 2.

11. Sponsors/Exhibition

Corporate and foundation sponsors included: Aqualab Co., Ltd., BRC Co., Ltd., DKK-TOA Co., ELGA LabWater, GL Science Inc., H. M. E. Co., Ltd., HORIBA STEC, J-Science Group, Kurahashi Giken Co., Kyoritsu Chemical-Check Lab., Co., Kyushu Keisokki Co., Ltd., Mebius Advanced Technology Ltd., Milestone General K. K., Mitsubishi Chemical Analytech Co., Ltd., Nissan Chemical Industries, Ltd., Ogawa Shokai Inc., Oji Scientific Instruments, Sankei Chemical Co., Ltd., Seiko Co., Ltd., Shinkouseiki Co., Ltd., Soma Optics, Ltd., Tokushige Chemicals Co., Ltd., Ushio Inc., and Yabegawa Electric Industry Ltd.

12. Publication of the Proceedings

Papers for the conference will be submitted for peer review for a Virtual Special Issue of Talanta, with Guest Editor Toshihiko Imato. Accepted papers will be published individually in regular issues, with a footnote to indicate at which conference the paper was presented, which will be used to link to the Virtual Special issue. In this manner, no manuscript publication delay will occur.

13. ICFIA 20

The International Steering Committee met on Monday to discuss the future of the conference. ICFIA 20 will be hosted by Victor Cerdà, University of the Balearic Islands, to be held in Mallorca, Spain in September or October, 2016. For information, contact Victor at: victor.cerda@uib.es. It was also decided by the Steering Committee that ICFIA 21 will be held in 2017 in St. Petersburg, Russia, hosted by Andrey Bulatov, probably in September. His contact information is: bulatov_andrey@gmail.ru

