

# The Japanese Association for Flow Injection Analysis

Shoji Motomizu, Former President of JAFIA, Prof., Dr.  
Tadao Sakai, Former President of JAFIA, Prof., Dr.  
Toshihiko Imato, Present President of JAFIA, Prof., Dr.



<http://jafia.kyushu-u.ac.jp/>

**JAFIA** was founded on January 1<sup>st</sup>, 1984. About 200 Japanese FIA researchers have joined and the first president of the JAFIA was Prof. Nobuhiko Ishibashi of Kyushu University. He contributed until 1991 as the chair. In the same year, the first semi-annual meeting was held in Fukuoka on February 24<sup>th</sup>, 1984. And also, the Journal of Flow Injection Analysis (JFIA, Vol.1, No.1) was published at the same time. Two issues are published in June and December and Vol.30, No.2 will be published in this December. In 1995, JAFIA joined to International Conference on Flow Injection Analysis (ICFIA, the chair; Prof. Gary D. Christian) to develop the JAFIA semi-annual meeting because FIA and the related techniques are most important and effective for environmental, biological, pharmaceutical, food and material sciences in the world.

# **President of JAFIA**

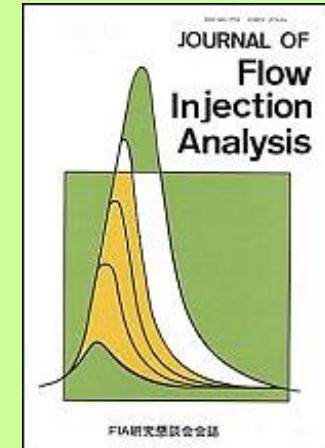
- 1<sup>st</sup> 1984-1991** Prof. N. Ishibashi (Kyushu Univ.)
- 2<sup>nd</sup> 1991-1993** Prof. Y. Ohkura (Kyushu Univ.)
- 3<sup>rd</sup> 1994-2004** Prof. S. Motomizu (Okayama Univ.)
- 4<sup>th</sup> 2005-2011** Prof. T. Sakai (Aichi Institute of Technology)
- 5<sup>th</sup> 2011-** Prof. T. Imato (Kyushu Univ.)

# **Editor of JFIA**

- 1984-1991** Prof. N. Ishibashi (Kyushu Univ.)
- 1992-1995** Prof. H. Wada (Nagoya Institute of Technology)
- 1996-1997** Prof. T. Kawashima (Tsukuba Univ.)
- 1998-2004** Prof. T. Sakai (Aichi Institute of Technology)
- 2005-2011** Prof. T. Imato (Kyushu Univ.)
- 2011-** Prof. Nagaoka (Osaka Prefectural Univ.)

# **Others**

- 2001** Prof. J. Ruzicka, the honorary member of Japan Society for Analytical Chemistry
- 2006** Prof. Gary.D. Christian, the honorary member of Japan Society for Analytical Chemistry



**Manuscripts should be submitted to:**  
[nagaoka.jfia@gmail.com](mailto:nagaoka.jfia@gmail.com)

11<sup>th</sup> ICFIA held in Chiang Mai, 2001



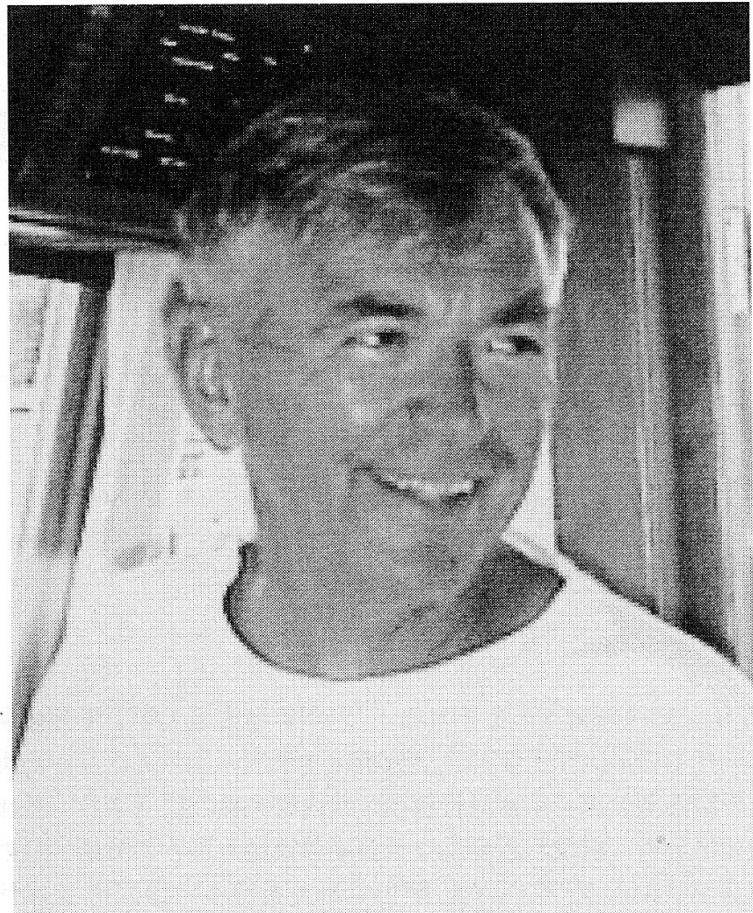
# このひと

日本分析化学会名誉会員になられる

## Jaromir (Jarda) Ruzicka 氏

(Washington University 教授)

1934年プラハに生まれる。Charles University（プラハ）卒業。“Polarography in Nonaqueous Acetic Acid”で「J. Heyrovsky's Prize for Young Scientists」を受賞。Czech Technical University（プラハ）で不足当量法の研究を進め，“Substoichiometry in Radioanalytical Chemistry”でPh. D. 1968年コペンハーゲンに移り，Technical University of Denmark 教授。1974年“Flow Injection Analysis (FIA)”開発。デンマーク分析化学会長歴任。1987年にWashington University 化学科教授。“Sequential Injection Analysis”，“Beads Injection Analysis”開発。約300編の論文，2冊の単行本，15の特許。Talanta Medal, Torben Bergman Medal (Swedish Chemical Society), Gairn Medal (Scientific Council of European Community), Water's Award, Warsaw University Medalなどを受賞。



表し，商品化された。このあと，氏の最も重要な研究の一つとなる FIA を 1974 年から始められ，同年には特許申請もされ

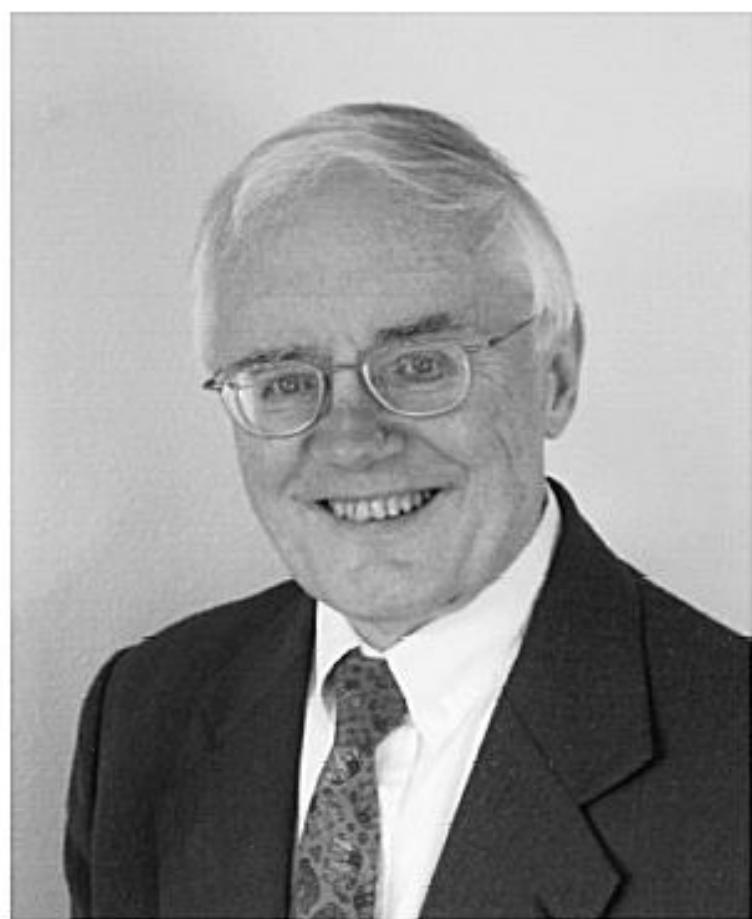
# このひと

日本分析化学会名誉会員になられる

Gary Dale Christian 氏

(University of Washington 教授)

1937年11月オレゴン州ユージーンに生まれる。1959年オレゴン大学を卒業した後、1964年メリーランド大学でPh.Dを取得。1967年からケンタッキー大学でAssistant/Associate Professorを務めた後、1972年にワシントン大学化学科教授。1993-2001年ワシントン大学理学部長、1995-1998年プロセス分析センター Faculty Director、1988年ACS Division of Analytical Chemistry Award for Excellence in Teaching、1995年Talanta Gold Medal、1996年American Chemical Society Fisher Award in Analytical Chemistry、1999年Charles University Commemorate Medal、2003年日本分析化学会FIA研究懇談会Scientific Honor Award Medal、2004年Senior Scholar Award (Thailand Research Fund)、2005年Honorary Doctorate Degree (Chiang Mai University)などを受賞。現在Talantaの編集委員長を務めるなど国際的に幅広く活躍している。



され、アメリカのみならず、国際的な活躍は目を見張るものがある。

Christian教授の研究は電気分析化学、原子分光法、プロセス分析、フローインジェクション分析、電気注入分析と多岐にわたっている。これらの研究の中で“流れを利用する分析法”

# History

- 1975** "Flow injection analysis.Part1 A new concept of fast continuous flow analysis" by Ruzicka and Hansen in Anal.Chim.Acta,78,145(1975)
- 1978** Dr. Kina, Shiraishi and Prof.Ishibashi reported "Ultramicro solvent extraction and fluorimetry based on the flow injection method" in Talanta, Vol.26, 295. (received 21,May,1978, Accepted 22,May)
- 1983** Prof. Ishibashi and Dr. Yoza translated "Flow Injection Analysis" edited by Profs. Ruzicka and Hansen into Japanese.
- 1983** Dr. Kina and Prof. Ueno, **1987**, Prof. Kuroda, Drs. Nakamura, Oguma, published a Japanese monograph on FIA.
- 2009** Practical FIA in Japanese, by Oguma, Motomizu, Sakai
- 1989** General Rules for FIA was included in JIS K 0126<sup>-1989</sup>
- 2011** JIS K0170-1～9<sup>2011</sup>
- 1991** Flow Analysis V was held in Kumamoto.
- 1993** Gary D. Christian gave a memorial lecture for the late Prof. N.Ishibashi in Nagoya.
- 1995** JAFIA semi-annual meeting joined in ICFIA (August, Seattle, Washington);
- 1997**, January, Orlando, Florida; **1998**, August, Seattle, Washington; **1999**, June, Prague, Czech Republic; **2001**, December, Chiang Mai, Thailand; **2003**, December, Merida, Venezuela; **2005**, April, Las Vegas, USA, **2007**, September, Berlin, Germany, **2008**, September, Nagoya, Japan, **2010**, April, Pattaya, Thailand, **2011**, July, Krakow, Poland, **2013**, September, Porto, Portugal, **2014**, December, Fukuoka, Japan

# **History**

- 1998** The 15th Anniversary meeting (Kyushu University, Dec.1)
- 2000** "15th Anniversary Special issue on Flow-based Techniques and Applications" edited by Motomizu and Sakai
- 2001~** Some Japanese Professors and Drs. were invited to the annual symposium on TRF senior research scholar on flow-based analysis held in Chiang Mai University (organized by Prof. Kate Grudpan and supported by Thailand Government)  
**ICAS2001** held at Waseda University, FIA session (by Motomizu)
- 2002** JAFIA merged with TRF symposium
- 2003** The 20th Anniversary meeting in Okayama(Okayama University, Nov. 6, 7)
- 2005** Pacifichem2005, FIA Symposium(by Christian and Motomizu)
- 2008** JFIA (Vol.25, No.1) including Special issue for ISFBA 2007 held in Chiang Mai(Japanese students had Poster Presentation)  
15<sup>th</sup> ICFIA & 25<sup>th</sup> Anniversary Meeting of JAFIA (Sakai and Motomizu) in Nagoya
- 2009** Flow Analysis XI, Mallorca, Spain Sept. 14-18  
48<sup>th</sup> JAFIA, Osaka Prefectural Univ., November 27 (by Nagaoka)
- 2010** Pacifichem2010, FIA Symposium (by McKelvie, Christian, Imato)
- 2011** ICAS, FIA Symposium, May, Kyoto, Japan ( by Imato)  
ICFIA2011, Krakow, Poland(by Koscielniak)  
14<sup>th</sup> ACC, FIA Symposium, Bangkok, Thailand (by Grudpan)

# Pacifichem 2010 in Honolulu



# 17<sup>th</sup> ICFIA in Krakow



# Japan Society for Analytical Chemistry Awards and others

1975 JSAC Award for Younger Researchers, S. Motomizu (Okayama Univ.)  
1977 JSAC Award for Younger Researchers, T. Yamane (Yamanashi Univ.)  
1979 JSAC Award for Younger Researchers, K. Kina (Kyushu Univ.)  
1984 JSAC Award for Younger Researchers, T. Korenaga (Okayama Univ.)  
JSAC Award for Younger Researchers, K. Yoshimura (Kyushu Univ.)  
1987 JSAC Award for Younger Researchers, T. Imato (Kyushu Univ.)  
1996 JSAC Award for Younger Researchers, H. Tanaka (Tokushima Univ.)  
1997 JSAC Award for Younger Researchers, H. Itabashi (Gunma Univ.)  
2013 JSAC Award for Younger Researchers, S. Tokonami (Osaka Prefectural Univ.)  
2013 JSAC Award for Younger Researchers, S. Ohira (Kumamoto Univ.)  
1995 Encouragement Award, Japanese Society for Food Science and Technology, H.Ukeda (Kochi Univ.)

1998 JSAC Award, T. Hobo (Tokyo Metropolitan Univ.)  
1999 JSAC Award, T. Kawashima (Tsukuba Univ.)  
2000 JSAC Award, K. Oguma (Chiba Univ.)  
Warsaw University Medal, S. Momomizu (Okayama Univ.)  
2001 JSAC Award, S. Motomizu (Okayama Univ.)  
2006 JSAC Award, T. Sakai (Aichi Institute of Technology)  
2011 JSAC Award, K. Yoshimura(Kyushu Univ.)  
2012 CERI Award, N. Teshima (Aichi Institute of Technology)  
2013 CERI Award, K. Toda (Kumamoto Univ.)

1996 JSAC Award for Technical Achievement, Y. Asano. T. Itoh (DKK)  
2000 JSAC Award for Technical Achievement, S. Sanuki (Sanuki Kogyo)  
2003 JSAC Award for Technical Achievement, K. Kina (Functional Material Lab)  
2007 JSAC Award for Technical Achievement, S. Hirata (Advance Institute of Science & Technology)  
2013 JSAC Award for Technical Achievement, N. Ura (Soma Optics)

2008 JSAC Award for Contribution, T. Yamane (Yamanashi Univ.)  
2009 JSAC Award for Contribution, M. Zenki (Okayama Science Univ.)  
2011 JSAC Award for Contribution, T. Yao(Osaka Prefectural Univ.)

# **FIA Honor Award for Science in 1998**

Nobuhiko Ishibashi (Kyushu University)  
Yosuke Okura (Kyushu University)  
Rokuro Kuroda (Chiba University)  
Masanori Sato (Kyoto Institute of Technology)  
Shigetaka Suzuki (Tokyo Metropolitan University)  
Kyoji Toei (Okayama University)  
Yuroku Yamamoto (Hiroshima University)

## **FIA Award for Science**

Takuji Kawashima (University of Tsukuba)  
Norimasa Yoza (Kyushu University)  
Hiroko Wada (Nagoya Institute of Technology)

## **FIA Award for Technical Development**

Sannosuke Sanuki (Sanuki Industry, Co., Ltd)  
Hideo Yamamoto, Chiaki Maegoya, Genzo Hirata, Tadafumi Kuroishi (Hitachi)

## **FIA Award for Young Researchers**

Hideyuki Itabashi (Gunma University)  
Hiroyuki Ukeda (Kochi University)  
Takashi Masadome (Ariake National College of Technology)

# **FIA Honor Award for Science in 1999-2008**

1999 D. Ishii (Nagoya Univ.), Y. Narusawa (Saint Paul's Univ.)

2001 Jarda Ruzicka (Univ. of Washington)

2003 T. Kawashima (Univ. of Tsukuba), T. Kumamaru (Hiroshima Univ.), T. Deguchi (Kumamoto Univ.), T. Yotsuyanagi (Tohoku Univ.), Gary D. Christian (Univ. of Washington), E.H. Hansen (Technical Univ. of Denmark), J. F. van Staden (South Africa), J. L. Burguera (Univ. of Los Andes), M. Trojanowics (Warsaw Univ.)

2008 H. Haraguchi (Nagoya Univ.), K. Takamura (Tokyo Univ. Pharm. Life Sci.)  
V. Cerdà (Univ. of the Balearic Island), M. Burguera (Univ. of Los Andes),  
J.L.F. Costa Lima (Univ. do Porto), P.K. Dasgupta (Univ. of Texas at Arlington),  
K. Grudpan (Chiang Mai Univ.), M. Polasek (Charles Univ.), J. Shimon (Free  
Univ.), P. Worsfold (Univ. of Plymouth), E.A.G. Zagatto (Univ. de Sao Paulo),  
Bo. Karlberg (Stockholm Univ.), A. Ivaska (Abo Akademi Univ.)

# **Winners of JAFIA Awards in 1998-2013**

## **FIA Award for Science**

- 1999** Kouichi Oguma (Chiba Univ.), Kenyu Kina (Advanced Materials Research Lab.)
- 2000** Toshiyuki Hobo (Tokyo Metro. Univ.), Tadao Sakai (Aichi Institute of Technology),  
Toshihiko Imato (Kyushu Univ.)
- 2001** Takeshi Yamane (Yamanashi Univ.), Michio Zenki (Okayama Univ. of Science),  
Kiyoshi Matsumoto (Kyushu Univ.)
- 2002** Toshio Yao (Osaka Prefecture Univ.), Shizuko Hirata (National Institute of  
Advanced Industrial Science and Technology)
- 2003** Kunihiro Watanabe (Tokyo Univ. of Science), Masaaki Yamada (Tokyo  
Metropolitan Univ.), Kazuhisa Yoshimura (Kyushu Univ.), Hiroki Ohura (Kyushu  
Sangyo Univ.), Mitsuko Oshima (Okayama Univ.), Kate Grudpan (Chiang Mai  
Univ.)
- 2004** Shigenori Nakano (Tottori Univ.)
- 2005** Nobutoshi Kiba (Yamanashi Univ.), Shoji Motomizu (Okayama Univ.)
- 2006** Mikita Ishii (Shizuoka University of Welfare), Ikuo Satoh (Kanagawa Institute of  
Technology)
- 2007** Terufumi Fujiwara (Hiroshima Univ.), Tsutomu Nagaoka (Osaka Pref. Univ.),  
Susumu Kawakubo (Yamanashi Univ.)

## **FIA Award for Science (continue)**

- 2008** Ian D. McKelvie (Monash Univ., Australia), Orawon Chailapakul (Chulalongkorn Univ., Thailand), Jin-Ming Lin (Tsinghua Univ., China), Keiro Higuchi (Ogawa Company, FIA Division), Hiroyuki Ukeda (Kochi Univ., Japan), Hideji Tanaka (Tokushima Univ.), Shukuro Igarashi (Ibaraki Univ), Hideyuki Itabashi (Gunma Univ.)
- 2009** Kei Toda (Kumamoto Univ.), Petr Solich (Charles Univ., Czech), Duangjai Nacapricha (Mahidol Univ., Thailand)
- 2010** Spas D. Kolev (University of Melbourne, Australia), Antonio O.S.S. Rangel (Universidade Catolica, Portugal), Norio Teshima (Aichi Institute of Technology)
- 2011** Noriko Ohno (Asahi Univ.), Toshio Takayanagi (Tokushima Univ.)
- 2013** Manuel Miro (Univ. Balearic Islands), Pawel Koscielniak (Jagiellonian Univ.), Takashi Masadome (Shibaura Institute Technology)

## **FIA Award for Young Researchers**

**1998** Hideyuki Itabashi (Gunma Univ.), Hiroyuki Ukeda (Kochi Univ.), Takashi Masadome (Ariake National College of Technology),

**1999** Yutaka Hayashibe (Mitsubishi Material Research Lab.),

**2000** Hideji Tanaka (Tokushima Univ.), Jin-Ming Lin (Tokyo Metro. Univ.)

**2001** Norio Teshima (Aichi Institute of Technology),

**2003** Shiro Matsuoka (Research and Development Center for Higher Education)  
Kyue-Hyung Lee (Nagoya Univ.)

**2004** Tadayuki Tsukatani (Fukuoka Industrial Technology Center),

**2007** Yoko Nanjo (Oji Scientific Instruments Co., Ltd.)

**2008** Yasuhito Iida (Kanagawa Institute of Technology, Japan), Jaroon Jakmunee (Chiang Mai Univ., Thailand)

**2009** Hiroshi Shiigi (Osaka Prefectural Univ.)

**2010** Koji Ohsita (Kibi International Univ.)

**2011** Shiho Tokonami (Osaka Prefectural Univ.)

**2012** Masaki Takeuchi (Tokushima Univ.), Shin-ichi Ohira (Kumamoto Univ.)

**2013** Hitoshi Mizuguchi (Yamagata Univ.)

## **FIA Award for Technical Development**

- 1998** S.Sanuki (Sanuki Industry, Co., Ltd), H. Yamamoto, C. Maegoya, G. Hirata, T. Kuroishi (Hitachi)
- 1999** K.Higuchi, A.Yanagisawa, H. Tamanouchi (Tokyo Chemical Industry)
- 2000** N.Ura (Soma Optics)
- 2002** R.Hayashi, A. Kariyone, Y.Hashidume, S.Tateishi, Y.Nanjo (Oji Scientific Instruments Biosensor group), H. Yoshikawa, M. Nagata, A. Sakashita, K.Tagusari, S.Syoji, H.Watanabe (JFE Techno-Research Corporation)
- 2003** K. Takeyoshi, S. Yasuda (Tokai Technology Center), T. Tsuboi, Y. Hirano, H. Omura, Y. Shibata (The Chugoku Electric Power Co., Inc.)
- 2005** K. Shimakawa (Diaya Instruments Co.,Ltd.), K.Hattori (HME Co.,Ltd.)
- 2006** K. Kurahashi (Kurahashi Giken Co., Ltd.)
- 2007** H. Nishino, H. Fukuyama, K. Ikimura, R. Iizuka (Eicom Co., Ltd.)
- 2010** K. Sakamoto, Y. Teramoto, M. Oshima (Yabekawa Denki Kogyo)

# **FIA Award for Original Papers**

**2001**

\*Toshio Yao, Youko Nanjyo, Hirohito Nishino (Osaka Prefecture University)

**2002**

\*Kyue-Hyung Lee, Mitsuko Oshima, Shoji Motomizu (Okayama University)

**2003**

\*Hideyuki Itabashi, Naoyo Miyamae, Hiroshi Kawamoto (Gunma University Faculty of Engineering)

\*Tatuya Seki, Yoshihiro Hirano, Koichi Oguma (Nissan Chemical Industries, Ltd.)

\*N. Choengchan, K. Uraisin, K. Choden, W. Veerasai, K. Grudpan, D. Nacapricha (Mahidol University, Chiang Mai University)

**2004**

\*Shingo Gotoh, Norio Teshima, Tadao Sakai, Kazunori Ida, Nobuo Ura (Aichi Inst.Tech, Murakami Memorial Hospital, Soma Optics)

**2006**

\*Michio Zenki, Kazuyoshi Minamisawa, Takashi Yokoyama (Okayama University of Science)

\*Passapol Ngamukot, Thiraporn Charoenraks, Orawan Chailapakul, Shoji Momomizu, Suchada Chuanuwatanakul (Chulalongkorn University)

\*Koji Hirakawa, Masaaki Katayama, Nobuaki Soh, Koji Nakano, Toshihiko Imato (Kyushu University)

**2010**

\*Eiko Nakamura, Takashi Shoji (Yokohama National University)

**2013**

\*Shuai Guo, Koji Nakano, Hizuru Nakajima, Katsumi Uchiyama, Yoshikazu Yamasaki, Shigeharu Morooka, Toshihiko Imato (Kyushu University)