



Announcement of Professor Yukihiro Ozaki as the Second Recipient of the Gerald S. Birth Award for Outstanding Work in the Field of Near Infrared Spectroscopy

For his outstanding work in advancing the Art and Science of Near Infrared Spectroscopy, the Council for Near Infrared Spectroscopy (CNIRS) recognizes Dr. Yukihiro Ozaki of the Department of Chemistry of Kwansai Gakuin University, Sanda, Japan for the work of his research group in many different aspects of chemometrics. This work is exemplified by two papers:

Improvement of the Partial Least Squares Model Performance for Oral Glucose Intake Experiments by Inside Mean centering and Inside Multiplicative Signal Correlation, Y. Du, S. Kasemsumran, K. Maruo, T. Nakagawa, and Y. Ozaki, *Analytical Sciences*, **21**, 979-984 (2005).

Removal of Interference Signals Due to Water from in vivo Near-infrared (NIR) Spectra of Blood Glucose by Region Orthogonal Signal Correlation (ROSC), by Y. P. Du, Y. Z. Liang, S. Kasemsumran, K. Maruo, and Y. Ozaki, *Analytical Sciences*, **20**, 1339-1345 (2004).

“Yuki” Ozaki’s research involves basic studies of mid-infrared, near-infrared and Raman spectroscopy, and the application of these techniques to self-associated molecules,

molecular assemblies, biological and polymeric materials. He is probably best known for his work in chemometrics and his seminal developments in two-dimensional correlation spectroscopy. He has published over 600 papers in refereed journals as well as many review articles. He has organized three important workshops on 2D Correlation Spectroscopy that have been held before or after each International Conference on Advanced Vibrational Spectroscopy.

Professor Ozaki received his B.Sc., M.Sc. and Ph.D. from Osaka University. After a postdoctoral fellowship in the Division of Biological Sciences, National Research Council of Canada, Ottawa, Canada from September 1978 to January 1981, he served as an instructor and assistant professor of the Division of Biochemistry, Institute of Medical Science at the Jikei University School of Medicine, Tokyo until 1989. At that time he joined the faculty of Kwansei-Gakuin University, Nishinomiya, Japan (April 1989-March 1993) where he now holds the rank of Professor and Director; Research Center for Near-Infrared Spectroscopy. He has been a guest professor at several Chinese universities, including East China Normal University, Shanghai Jiao Tong University, Shanghai, Hunan University, and Central South University, Changsha, as well as Kasetsart University, in Bangkok, Thailand.

The Gerald S. Birth Award is presented as a reward and recognition of outstanding work in advancing the science of near-infrared spectroscopy and furthering the goals of the Council for Near Infrared Spectroscopy (CNIRS). The award winning work must have been published in the two calendar years prior to the award. The award is sponsored by Unity Scientific and presented at the biannual International Diffuse Reflectance Conference (IDRC) held in Chambersburg, PA. The awardee is invited to present the award work in a session at the IDRC. His travel expenses, an honorarium and a plaque honoring this achievement are also awarded.

The CNIRS and Unity Scientific are pleased to present the second Gerald S. Birth Award to Yukihiro Ozaki. The award will be presented at the Award Symposium of the International Diffuse Reflectance Conference, Chambersburg, PA, Wednesday, August 9, 2006. More information about the conference is available at <http://www.idrc-chambersburg.org>.