

**PEOPLE: SAKAYANAGI**

Nobuyuki Sakayanagi has been for many years the *CD man* at Jasco.

After obtaining BS in applied physics from Tohoku University in 1970, he soon joined Jasco.

There he has been responsible for the design of J-500, J-600, J-200, J-700 families as well as for several polarimeters.

Nobuyuki has also been involved in several academic research projects, for example:

-ROA (Raman optical activity)^{1 2} where different approaches were tried in these early times

-Rapid scan CD³: the specific unit built up was based on a TeO₂ acoustic optical filter monochromator. This device allows very quick wavelength scan and outputs linearly polarized monochromatic light, so it was selected for the arranged prototype.

-Simultaneous ORD and CD measurements⁴

-High sensitivity detection systems for optical active molecules by enantiomer fluorescence label, supporting Prof. Meguro group activities at Tohoku Univ.

Furthermore Nobuyuki contributed to several CD hardware developments, such as:

-early HPLC/CD applications^{5 6}

-improved photoelastic modulator design for ellipsometry and CD applications^{7 8}

In the recent years Jasco assigned Nobuyuki for several special product projects such as the CPL-200 spectrometer, a dedicated low temperature MCD spectrometer (J-2500) and various Hard Disk evaluation systems using magneto-optical effects.

But his long influence within Jasco group is probably the most remarkable.

He strongly contributed to the education and the training of new people, from both Japan and overseas, either for development or for maintenance of the CD spectrometers.

Many people have learned from him: always quiet, patient and smiling, but at the same time professional and accurate.

Within the Jasco organization he is still the key reference fellow, whom people like to address for special problems, where experience and know-how really count.

Many years have gone since his time at Tohoku University, where he has been one of the dormitory room-mates of Prof. Nobuyuki Harada, the chairman of CD2001 conference!

¹ Waki H., Higuchi S., Tanaka S., Sakayanagi N., *J.Spectrosc.Soc.Japan*, 26, 6, 1977, 272

² Waki H., Higuchi S., Tanaka S., Sakayanagi N., *J.Spectrosc.Soc.Japan*, 29, 6, 1980, 381 (in Japanese)

³ Hatano M., Nozawa T., Murakami T., Yamamoto T., Shigehisa M., Kimura S., Takakuwa T., Sakayanagi N., Yano T., Watanabe A., *Rev.Sci.Instrum.*, 52, 9, 1981, 1311

⁴ Shindo Y., Mizuno K., Sudani M., Hayakawa H., Ihmi Y., Sakayanagi N., Takeuchi N., *Rev.Sci.Instrum.*, 60,12, 1989, 3633

⁵ Takakuwa T., Kurosu Y., Sakayanagi N., Kaneuchi F., Takeuchi N., Wada A., Senda M., *J.Liq.Chromatogr.*, 10, 1987, 2759

⁶ Kurosu Y., Sasaki T., Takakuwa T., Sakayanagi N., Hibi K., Senda M., *J.Chromatogr.*, 515, 1990, 407

⁷ Fukazawa T., Sano M., Yoshida Y, Sakayanagi N., *Thin Solid Films*, 234, 1993, 390

⁸ Fukazawa T., Sano M., Sakayanagi N., *US Patent 5,298,973*, 1994