

國家理論科學研究中心

IAMS / NCTS Applied Math Seminar

**Speaker:** Prof. Yuusuke Iso (Graduate School of Informatics, Kyoto University)

**Title:** Mathematical and Numerical Analysis for the Radiative Transport Equation as Fundamental Study for Diffuse Optical Tomography

**Abstract:**

Diffuse Optical Tomography (DOT) is one of the forthcoming medical technologies, and it is expected to have great development especially in brain science. DOT is considered an inverse problem for the radiative transport equation, and we try to show background of mathematical modeling for propagation of light in biological tissues through numerical and mathematical analysis. This work is a joint work with Prof. Hiroshi Fujiwara, Dr. Daiki Tanaka and some other graduate students.

**Time:** Mar. 18 (Wed.) 13:20 – 14:10

**Venue:** R202, Astro-Math Building (NTU Campus)

**Organizer:** Jenn-Nan Wang (NTU)

For more information, please refer to <http://www.cts.ntu.edu.tw/>,

or contact [ac@ncts.ntu.edu.tw](mailto:ac@ncts.ntu.edu.tw).