

Special Issue

μ -TAS: A Themed Issue in Honor of Professor Andreas Manz

Message from the Guest Editors

This Special Issue aims to recognize the contributions of Professor Andreas Manz in the field of Miniature Total Analytical Systems (μ -TAS). It will cover a selection of recent studies and review articles about μ -TAS theory and its development and sensing applications.

Professor Andreas Manz, one of the pioneers in microchip technology used for chemical applications, is generally considered as the founding father of the “lab-on-a-chip” field. He developed the novel concept of μ -TAS in 1990, which allows complex medical, biological or chemical analyses to be performed quickly and efficiently on a platform no larger than a few square millimeters. μ -TAS, defined as “a system that periodically performs all sample handling steps required to translate chemical into electronic information at a location that is extremely close to the point of sample collection”, has extended its usefulness into many new fields and disciplines spanning basic research to commercial applications.

Guest Editors

Prof. Dr. Wenming Wu

Prof. Dr. Yanyi Huang

Prof. Dr. Yonggang Zhu

Prof. Dr. Pavel Neuzil

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Micromachines
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
micromachines@mdpi.com

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Editor-in-Chief

Prof. Dr. Ai-Qun Liu

1. Department of Electrical and Electronic Engineering, The Hong Kong Polytechnic University, Hong Kong, China
2. School of Electrical and Electronic Engineering, Nanyang Technological University, Singapore 639798, Singapore

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