Trapping the Future: The Commercial Resurgence of Ion Trap MS

Ion Trap Interest Group
74rd ASMS Conference on Mass Spectrometry and Allied Topics
Tuesday, June 2nd, 2026

Presider:
Kenneth Lee (Brigham Young University)
Hsi-Chun Chao (University of Illinois Urbana-Champaign)

Panelists:
Digital Ion Trap :
Dr. Yuko Fukuyama (Shimadzu)

OmniTrap:
Dr. Dimitrios Papanastasiou (Omnitrap, Bruker)

Electrostatic Ion Trap for CDMS:
Prof. Martin Jarrold (Indiana University Bloomington)

Attendance: ~70 (maximum headcounts)

Format: Three presentations from the panelists and with final QA session with the attendees.

Summary:

Following last year's workshop on alternative ion trap measurements (i.e., other than *m/z*), which was well-received for its presentation/Q&A balance but lacked specific topics for attendee engagement (prepared questions were general questions). This year's session aimed to increase attendance by shifting the theme toward recent commercialized ion traps. The program emphasized the transition from research to commercialization with an accessible, less technical focus designed to resonate with a broader audience.

Overall, attendance increased compared to last year, and attendee retention remained strong through the final session due to the strategic ordering of presentations. Attendee feedback confirmed that the three presentations exceeded expectations, effectively balancing historical context, introductory principles, commercialization narratives, and practical applications for attendee research.

However, time management emerged as a primary challenge. Despite detailed advance guidelines, speakers varied significantly in pacing and style, causing presentations to run over and sharply curtailing audience Q&A. To resolve this in future workshops, organizers plan to **enforce strict slide limits** rather than relying solely on allotted time slots, supplemented by active time reminders during presentations.

The steady turnout and positive feedback this year demonstrate the sustained relevance of ion trap instrumentation. The presiders are grateful for the community's participation and support. By addressing the time-management challenges in future programs, we hope to build upon the workshop's solid foundation and ensure it remains a productive, well-attended session in the years ahead.