

Spotlight: ISPC 2025 – The 26th International Symposium on Plasma Chemistry

開催場所：University of Minnesota, Minneapolis – Saint Paul, USA

開催日程：2025/06/15-20

学会 HP：ispc-conference.org

The 26th International Symposium on Plasma Chemistry (ISPC 26) was held at the University of Minnesota, gathering about 373 participants from 28 countries to share ideas and recent advances in plasma chemistry. Over the course of the meeting, a total of 373 presentations were delivered, including 5 plenary lectures, 16 invited talks, 146 oral presentations, and 146 poster sessions, covering a wide range of topics from fundamental plasma science to emerging applications in energy, materials, environment, and medicine. Preceding the main symposium, a summer school was organized in collaboration with the US Low-Temperature Plasma Summer School and the ASPIRE Summer School. The program offered graduate students and early-career researchers intensive lectures on low-temperature plasma fundamentals and applications, including a special track on Plasma Materials Processing for Microelectronics Fabrication.

A highlight of the symposium was the presentation of the 2025 Plasma Chemistry Award to Professor David B. Graves for his contributions in plasma chemistry and applications of non-equilibrium low-temperature plasma phenomena, followed by his lecture (*Adventures in Plasma Chemistry*). Professors Annemie Bogaerts and Peter Bruggeman were also elected IPCS Fellows, a distinction recognizing internationally renowned contributions to plasma chemistry. In addition, Young Investigator, Student Excellence and Best Poster presentation awards were conferred upon several young researchers, underscoring the active role of the next generation in advancing plasma science and technology.

The scientific program reflected the breadth and vitality of the field, with sessions focused on diagnostics, in-liquid plasma, plasma-surface interactions, thermal plasma, modelling, plasma catalysis, conversion, nanomaterials synthesis, and plasma-enabled processes for semiconductor manufacturing, among others. The discussions emphasized the increasing role of plasma chemistry in addressing both technological challenges and societal needs. The University of Minnesota campus provided an excellent setting for the event, offering modern facilities and convenient access to downtown Minneapolis and Saint Paul. Beyond the scientific sessions, participants enjoyed the opportunity to experience the cultural and natural attractions of the region, including the Mississippi River and the vibrant atmosphere of the Twin Cities.

ISPC 26 concluded successfully, strengthening ties within the international plasma chemistry community and inspiring new directions for research and collaboration. Looking ahead, the next symposium, ISPC 27, will take place in Dublin, Ireland in 2027, continuing the tradition of advancing plasma science and its applications worldwide.

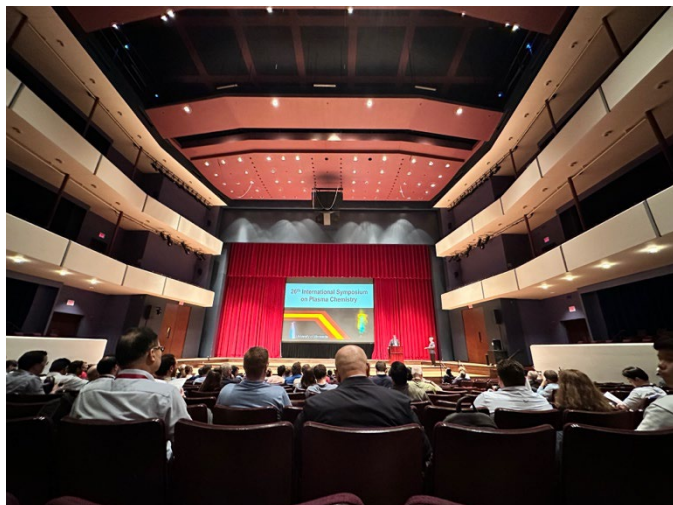


写真1 メイン会場



写真2 サマースクール講義



写真3 交流会／ポスターセッション