

Attending the 41st EUPVSEC 2024: Experiences and Highlights

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The EU-PVSEC, or European Photovoltaic Solar Energy Conference and Exhibition, is the world's largest conference focused on photovoltaic (PV) research, technologies, and applications. In addition to the conference, the PV industry exhibition showcases innovations, technologies, and new concepts in PV technology. The conference has been held annually across Europe for 40 years, and this year was the 41st time it took place, in Vienna, Austria. During the conference, attendees had the opportunity to enjoy the city's rich history, historic landmarks (Fig. 1), art (Fig. 2), architecture, classical music, delicious traditional Viennese dishes (Fig. 3), beautiful cafés, and sweets. The conference was held at Vienna International Centre (VIC), located in the city center and close to the oldtown area just only 10 minutes by subway. The net amount of the Early Bird registration fee is €1,350,00 (1,350 EUR) for full week. Which including the access to all conference sessions, lunch and coffee break.

This year, over 1,800 attendees from 60 countries around the world joined the conference.

Among them were 64 participants from Japan, placing the country in the top 10 for attendee numbers¹⁾. The conference's topics of interest divided in five main topics as follow:

1. Silicon Materials and Cells
2. Thin Films and New Concepts
3. Photovoltaic Modules and BoS Components
4. PV Systems Engineering, Integrated/Applied PV
5. PV in the Energy Transition

Across five related topics, the conference featured over 1,100 scientific presentations, workshops, and industry sessions. This year, topic 4: PV Systems Engineering, Integrated/Applied PV was the largest topic by accounting for 30% of the submitted abstracts. The author also presented vehicle integrated photovoltaic (VIPV) research related in the topic 4 in the Dual Use and other Innovative PV Applications subtopic (Fig. 4).

After the presentation, the author received many interesting questions and comments from VIPV experts, which could be valuable for future developments. Within the same VIPV subtopic, the



Fig. 1. Schönbrunn Palace



Fig. 2. Art piece inside the Charles's Church

latest research was also presented, including module design and VIPV performance. Additionally, the poster session provided a great opportunity to engage in discussions with experts in PV and related topics of interest. Inside the conference, PV experts working in related fields were given the opportunity to promote and encourage attendees to participate in upcoming conferences such as PVSEC-35, PVinMotion, the Agrivoltaics World Conference, IEEE-PVSC53, and more, providing a great opportunity to foster connections and community growth.

On the last day of the conference, there was a session announcing the awardees of the poster session and student awards. The recap of the events, along with the author's favorite part, the research highlights and takeaways of every topic from five topics. These include key findings, contributions, main points of the studies, and future directions.

From the author's perspective, EUPVSEC is a conference that brings together PV experts to share research and shape the future of PV technologies. As a researcher in VIPV systems, the author gained

valuable insights and inspiration from many of the sessions, not only in the field of PV systems but also in applications and the latest research topics. After the conference, attendees are granted access to resources such as abstracts, event reports, and the opportunity to rewatch all presentation sessions in case any were missed. Next year, EUPVSEC2025 will be held in Bilbao, Spain, from September 22-26, 2025. Don't miss!

References

- 1) 41st European Photovoltaic Solar Energy Conference and Exhibition (EUPVSEC 2024), URL: <https://www.eupvsec.org/index.php/home/2024-recap>



Fig. 3. Wiener Schnitzel and traditional salad

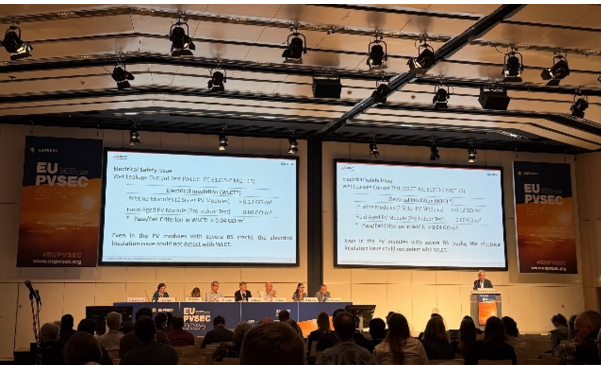


Fig. 4. Atmosphere during the session

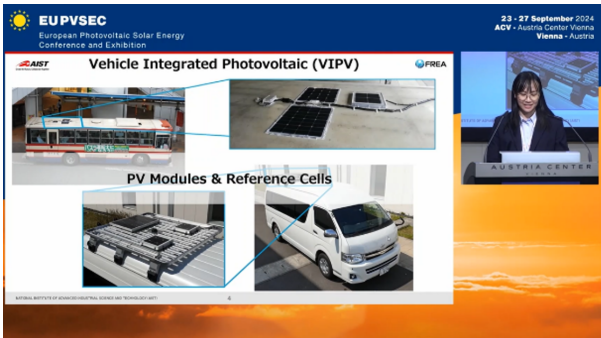


Fig. 5. Author presenting picture from a rewatch session