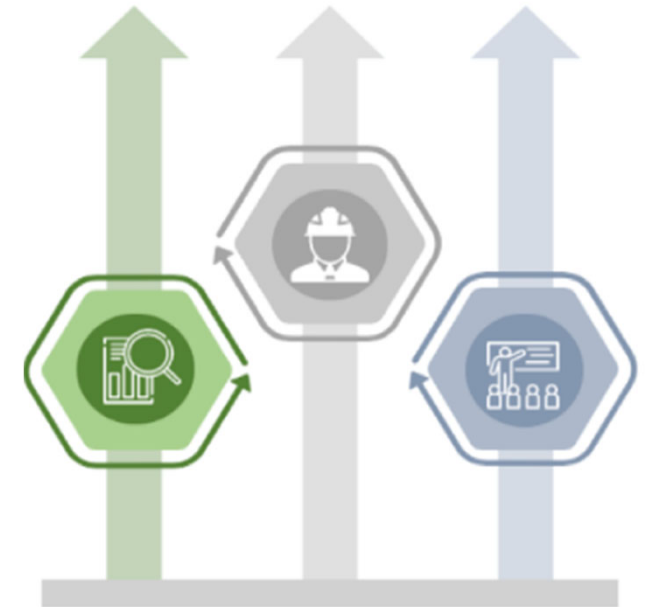




Academy of Pavement Science and Engineering

APSE School of Excellence (APSE SoE)



*"A global community of academics
working together to educate, innovate,
and advance the profession of pavement
science and engineering"*

Purpose

- Gain knowledge in cutting-edge topics that are not typically covered in pavement engineering academic programs.
- Offer knowledge that would support the participants in the development of research ideas, collaborations, and possibly advanced courses.

Process and Guidelines

- The APSE SoE will be offered by a host university or research institution while APSE will provide general oversight to ensure quality of the SoE.
- APSE will manage the selection process of the SoE host through clear guidelines.
- APSE will announce a call for proposals to organize the SoE in September of every year:
 - The submission of proposals will be open for a period of 2 months.
 - The SoE will take place within 9 to 12 months of selecting the proposal.
- There will be one or two SoE in a given calendar year.
- APSE members will receive discounted registration fee.
- APSE will receive percentage of the course fees to cover some incidental course costs
- APSE can offer a platform, if needed, for registration and financial management
- The organization of the SoE material, instructions and logistics are the responsibility of the host institution(s)
- The SoE material and instruction are in English.

Proposal

- Interested groups that want to host a SoE will submit a proposal in presentation format. The proposal would cover the following:
 - Topic and its significance
 - Instructors
 - Learning outcomes
 - Sites (e.g. research facilities, testing facilities, construction sites) that the participants will visit to support their learning experience
 - Hands on experience and exercises
 - Certification/Credits
 - Location with the possibility of offering the same course in two locations at different times of the year
 - Expected/target number of attendees (25-35 participants)
 - Duration (40 to 60 contact hours)
 - Potential sponsors and registration fees

Who Should Attend?

- The APSE SoE is intended for students, faculty members, researchers and professionals who:
 - Demonstrate interest in carrying research the proposed topic,
 - Conduct research related to the proposed topic,
 - Demonstrate that the school will support them in furthering their knowledge and expand their research interests

Selection Criteria

- The APSE officers will review the proposals and decide on the selected SoE based on the following criteria:
 - The significance and usefulness of the proposed topic to the pavement academic community.
 - The experience of the instructors in the proposed topic.
 - The attractiveness of the location in terms of offering experiences for participants in professional networking, visiting unique research facilities, and learning about pavement practices in the host country/region.
 - The availability of the sponsors and affordability of the fees.
 - The potential for participants to receive certification or credits from the host institution or a professional entity.

Examples of Topics

- Data Science in Pavement Engineering
- Chemo-physical Characterization of Pavement Materials
- Continuum Viscoelastic Damage Mechanics
- Pavement Mechanics
- Pavement Sustainability and Resilience Analysis and Design