



Newsletter

• F A L L 2 0 2 0 •

➔ Message from the APSE Officers.

Dear APSE members,

We are quickly approaching the end of the year. Learning to teach remotely, pause or slow-down many of our research activities, and cope with different personal and family challenges are some of the situations that we have faced during this ‘unusual’ 2020. However, the COVID-19 global pandemic has shown us that universities and academic communities are strong, supportive and adaptable. We, as academics, have identified new opportunities and collaborations that will have a long-lasting impact in our community. Among other activities, many of us have had colleagues as international guest speakers in our regular classes; international conferences have been successfully virtualized –opening the opportunity to many academics and practitioners from around the world to join and participate–; and several universities, research centers and organizations –including APSE– have offered top quality technical webinars. These activities have resulted in an unprecedented dissemination and technological transfer of our research activities. In other words, being isolated in our cities and countries has pushed us to come together as never before. Although there is no doubt that face-to-face interaction is irreplaceable, it is also true that we had not used available technological tools at their maximum potential. We are certain that we will continue using several of these tools in the years to come.

We are optimistic and excited about the possibilities that current and future challenges can open for APSE. We value your hard work and commitment, and we hope to continue counting with your participation in our coming activities and initiatives.

Silvia Caro

on behalf of APSE officers



➔ Highlight of recent activities:



First APSE distinguished webinar:

On May 2020, we released our first APSE Distinguished Webinar where Dr. John Harvey (University of California, Davis), member of the APSE Board of Governors (BOG), talked about Principles of Pavement Sustainability. It was a very interesting talk and a great way to start our webinar series!

APSE Infographics:

As a result of the efforts conducted during the last two years by five APSE's task forces in the research and education committees, some of the most critical information was summarized in three infographics which are available for download [here](#).

These infographics include:

- Education (task forces 1, 2 and 3): information regarding Pavement Science & Engineering focused tracks in Civil Engineering Curricula (undergraduate and graduate programs).
- Research task force 1: A repository of critical references in different fields of Pavement Science & Engineering (zotero database).

- Research task force 2: Information related to publications in the field of Pavement Science & Engineering, and key issues with obtaining high quality peer-reviews.

We would like to acknowledge the work conducted by many of our members that lead and participated in several of these task forces. We hope this information could be of help to the academic community of pavement engineering!

APSE session in Advances in Materials and Pavement Performance Prediction (AM3P) conference:

APSE sponsored the session “Possible career paths after completing a PhD program” as part of the Advances in Materials and Pavement Performance Prediction (AM3P) virtual conference that was held last August.

Dr. Ramez Hajj (University of Illinois at Urbana-Champaign), Dr. Diana Sánchez (Universidad de los Andes, Colombia) Dr. Giacomo D’Angelo (AECOM, UK) and Dr. Breixo Gómez (European Asphalt Pavement Association, EAPA), participated in a panel where topics such as how does a PhD program contributes to a career development and how to apply to academic and industry positions after completing a PhD program were discussed. Dr. Shane Underwood (North Carolina State University) and Dr. Silvia Caro (Universidad de los Andes, Colombia), served as moderators of this interesting session that was very well attended by grad students, postdoc students, faculty members and practitioners.



APSE Technical Webinar:

We launched our first APSE Distinguished Webinar last May, where as part of the APSE Technical Webinar series, Dr. Bernhard Hofko (Vienna University of Technology, TU-Wien Austria), offered a talk entitled “Asphalt Binders - Shedding some Light onto and into a *Black Space*”. Dr. Hofko provided a very interesting and enlightening webinar on the fundamental work on asphalt conducted at this prestigious university in recent years. We appreciate the support of Dr. Kamilla Vanconcelos (University of Sao Paulo) for organizing and coordinating this webinar.



White paper on “Desirable attributes of a journal article in the area of pavement science and engineering”

During the last months, an APSE officer worked with a group of colleagues on writing up a white paper on desirable attributes of a journal article in the area of pavement science and engineering. The perspectives discussed in this document are distilled from several years of experience of the author(s) as journal article's author(s), reviewer(s), and editor(s) of peer-reviewed journal articles.

The document is organized in 5 main areas: i) forces that shape the preparation of an article, ii) the basics of research, iii) desired attributes in a research manuscript, iv) review articles, v) connection to the profession and raising the bar. Within this areas there are several subjects and topics.

You can access this document by clicking [here](#).

As a complement to this white paper, with the support of Dr. Hasan Ozer, APSE will provide a non-technical webinar on this topic in mid-November. Stay tuned!



➔ Student Member Spotlight: **Angeli Jayme**

Angeli Jayme is a doctoral candidate in Civil Engineering at the University of Illinois at Urbana-Champaign (UIUC) working closely with Professor Imad L. Al-Qadi. Her thesis is focused on the thermo-mechanical interaction between the tire and pavement. Angeli's research interests extend to asphalt materials, damage evolution, pavement rehabilitation and preservation, and autonomous and connected technology integration.



She is currently involved with planning and preparation of the Illinois Autonomous and Connected Track. In parallel, she will be working on the Planning for Emerging Mobility: Testing and Deployment in Illinois project, sponsored by the Illinois Department of Transportation.

In line with her advocacy for student and professional communities, she has served leadership roles in the ASCE Transportation & Development Institute graduate student chapter and the Graduate Society of Women Engineers at UIUC. Currently,

she is a member of TRB Standing Committee on Pavement Structural Testing and Evaluation. Since APSE's inception, Angeli has been a member with overall goals of enriching her interests and networks and experiencing diverse opportunities to work with leaders in the field. She was the 2020 APSE Student Award recipient, which has enabled her to create new connections and encourage her to pursue her career in pavement engineering.



➔ Call for APSE 2020 awards nominations

To promote the field of pavement science and engineering and recognize the excellent work being done by APSE student and academic members from all levels and sub-disciplines throughout the world, we are now calling for the following two **2021** APSE awards: 1) Emerging Outstanding Academic, and 2) Citation for Outstanding Service by a Student Member. More information can be found [here](#).



➔ APSE annual meeting 2021

Given the current circumstances, it has been decided that the 2021 APSE annual meeting is going virtual. The specific dates and details are currently being discussed. We expect to communicate this information to our members soon.

If you have not renewed your membership for this year we kindly invite you to do so to stay informed and engage with all our activities.

[Click Here](#)