

Education & Healthcare Facilities Committee

May 2025 I&CPS Conference Industry Application Presentation (249 word abstract below)

Abstract. We present a ten-year retrospective on achievements and a ten-year forward plan on goals aligned with an initiative begun at the University of Michigan in 1993. The aim of that initiative has been to enhance the safety, simplicity, cost-effectiveness, and durability of educational facilities; typically one of the largest public assets in any nation. With the largest facility inventory of any university in the United States, encompassing nearly 40 million square feet, Michigan was an obvious choice as a study unit for energy best practice discovery and promulgation.

The US educational facility industry, with an annual expenditure of \$132 billion, represents the largest building construction market in the world and holds significant cultural influence as a hub for the world's youth. Topics addressed in this session will include continuation of our effort to drive IAS C&S titles into the entire NFPA standards catalog, into the IEEE C2 National Electrical Safety Code and into other catalogs such as ASTM, ICC, IES, and UL. The ASHRAE catalogue is noteworthy for its scope expansion that reaches into the realm of electrotechnology best practice. Given that many universities and healthcare campuses operate virtual utility-like systems, this session will formally roll out a data gathering priority to support the next revision of the “Gold Book” IEEE 493. We also present new ideas for expanded involvement of faculty and student involvement in standard setting activity in all IEEE Societies. Detailed agenda will appear on the committee web site:

<https://site.ieee.org/icps-ehe/>

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