

# New Technologies for Discovery III: The 2017 CPAD Instrumentation Frontier Workshop

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## Challenges for High Voltage in Noble Liquids

*Saturday, 14 October 2017 08:00 (20 minutes)*

Liquefied noble gases have become a technology of choice for a number of dark matter and neutrino experiments. The successful operation of such experiments relies on stable high voltage being delivered and held on a cathode surface in the liquid. New and proposed detectors are pushing the bounds of understanding and stable operation. This talk will motivate the R&D active in this area and highlight some of the issues and challenges involved.

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