

# Domestic Nuclear Detection Office's Approach to Detect Concealed Threats

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4:00 p.m.

The Transformational and Applied Research (TAR) Directorate within the Domestic Nuclear Detection Office (DNDO) of the Department of Homeland Security (DHS) has the mission to develop break-through technologies that will have a dramatic impact on capabilities to detect nuclear and radiological threats through an aggressive and expedited research and development (R&D) program. In its role to develop and implement the Global Nuclear Detection Architecture (GNDA), DNDO has defined several technical grand challenges. This talk will discuss TAR's multi-year R&D approach to solve one of these challenges – the detection of nuclear threats even when heavily shielded. Special emphasis will be given on the role of traditional and non-traditional particle acceleration techniques to help solve this challenge.

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