

OSTP Convening: Pioneering the Future Advanced Computing Ecosystem

Foundational and Translational Research and Development

August 17 – 18, 2020

Dr. Raymond Richards



Dr. Raymond Richards

- Manages DARPA programs on software analysis or development
 - High Assurance Cyber Military Systems (HACMS)
 - Vetting Commodity Software and Firmware (VET)
 - Cyber Assured Systems Engineering (CASE)
 - Automated Rapid Certification of Software (ARCOS)
 - Intent Defined Adaptive Software (IDAS)
- More than a decade experience in leading a formal methods R&D team in an aerospace and defense company
- Performed formal analyses in support of certifications
 - Microprocessor (NSA Type I Certification)
 - RTOS (Common Criteria EAL6+ Evaluation)
- Developed of critical software
 - Safety critical software for commercial airliners
 - Security critical software for IC





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"Any opinions, findings, conclusions or recommendations expressed in this material are those of the author(s) and do not necessarily reflect the views of the Networking and Information Technology Research and Development Program."

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