



What is RAMP?/Need for RAMP

Computer Code Management Program:

- Streamline updates/ recognized code issues
- Incorporating the latest accepted state of the art models
- Prioritize technical updates
- Achieve consistency in documentation
- Fiscally responsible by leveraging group dynamics
- Implement centralized and consistent management and control structure
- Leverage the NRC expertise in member country activities
- Customer relationship management
- Obtain user-endorsed roadmap for codes

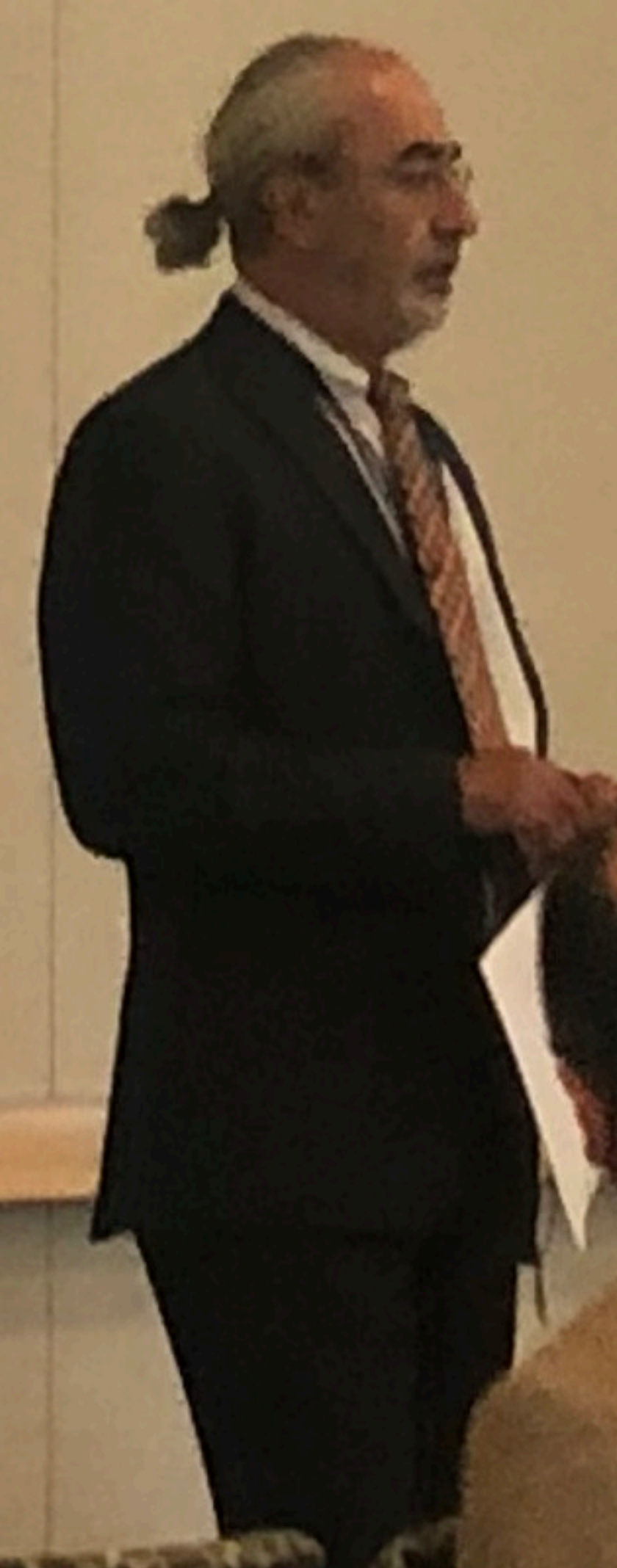


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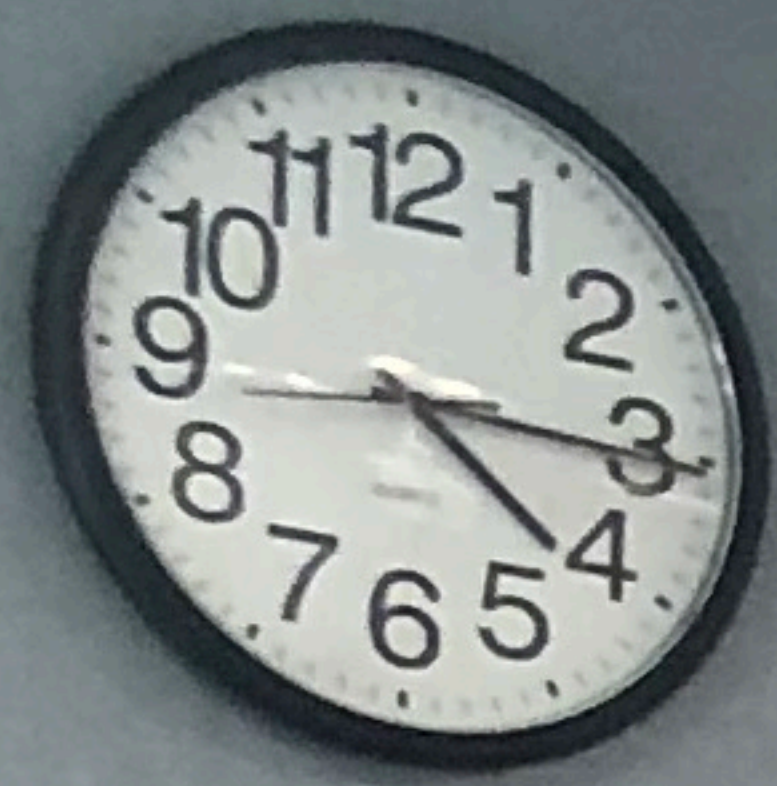


ADVANCED REACTORS – HIGH TEMPERATURE REACTORS

- High efficiency
- Process heat applications
- Fuel Type: TRISO
- Pebble bed versus prismatic core design
- Molten salt loop and transport of He

The slide includes several diagrams: a cross-section of a TRISO fuel particle, a pebble bed reactor core, and a prismatic core reactor. The pebble bed diagram shows a central core surrounded by a reflector and a cooling system. The prismatic core diagram shows a rectangular core with internal cooling channels. The TRISO fuel particle diagram shows a central fuel kernel surrounded by multiple layers of graphite and silicon carbide.









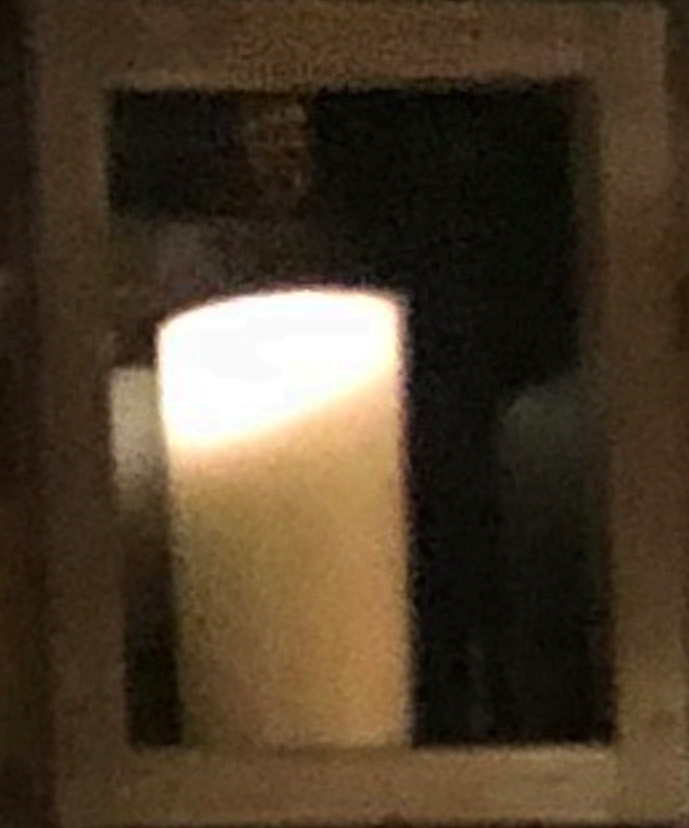
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RENAISSANCE
CODE DEVELOPMENT

Providing Custom
Development
Consulting Services

Experts in radiological
world leaders in skin









PAVAN Inputs

- Source:
 - Ground-level
 - Elevated
 - For elevated releases, terrain height can be incorporated into a calculation of "effective plume height"
- Meteorology
 - joint frequency distribution of wind direction (16 sectors), wind speed (up to 14 bins), stability class (7 classes, A through G)
- Receptors
 - Exclusion area boundary (EAB)
 - Outer boundary of the low population zone (LPZ).
- Other
 - Site-specific or default correction factors to account for non-straight trajectories may be used in the calculation of the annual average χ/Q values



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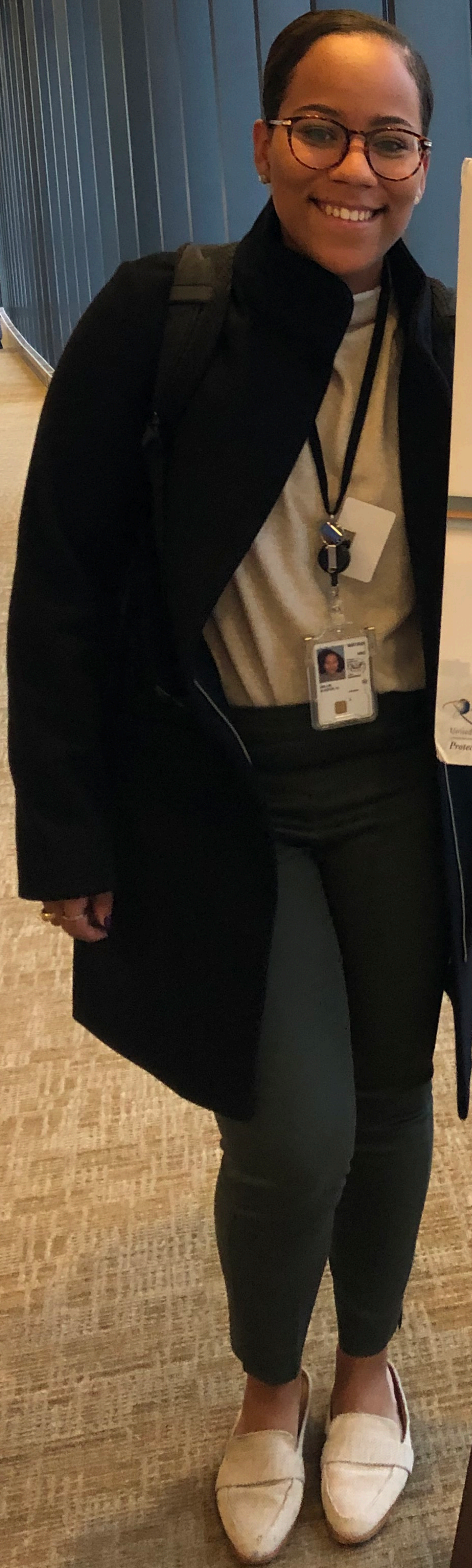
WiFi

Name Verizon-MiFi

7730L-4B60

W φ 9 7 φ a 3 φ

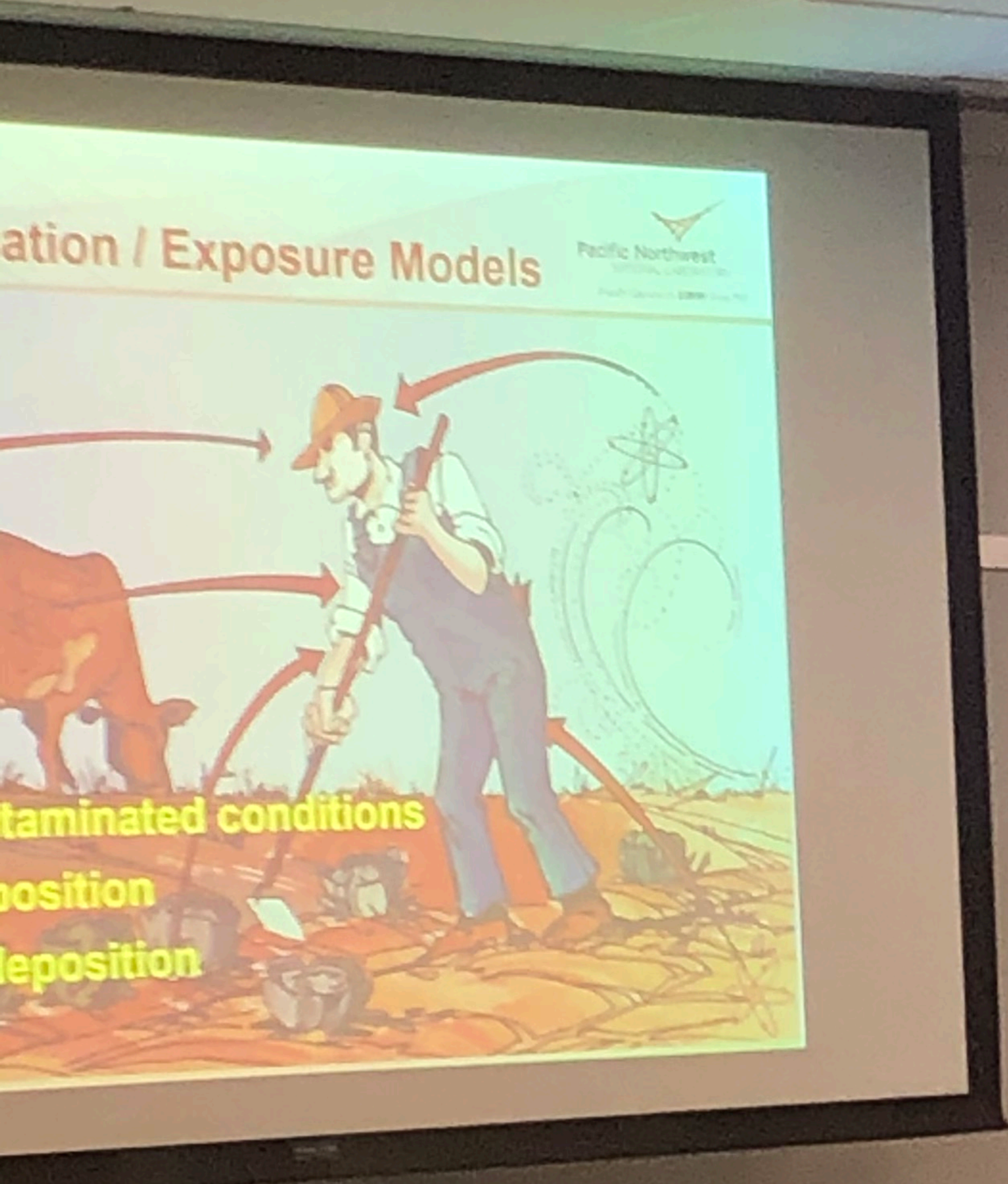




VARSKIN
1C03/05



U.S. NRC
United States Nuclear Regulatory Commission
Protecting People and the Environment



A woman with glasses and a green shirt is standing and pointing towards the projection screen, presenting the slide.

An audience of several people is seated at desks in the foreground, facing the presentation. Some individuals are looking at the screen, while others are looking at papers or laptops on their desks. A water bottle is visible on one of the desks.





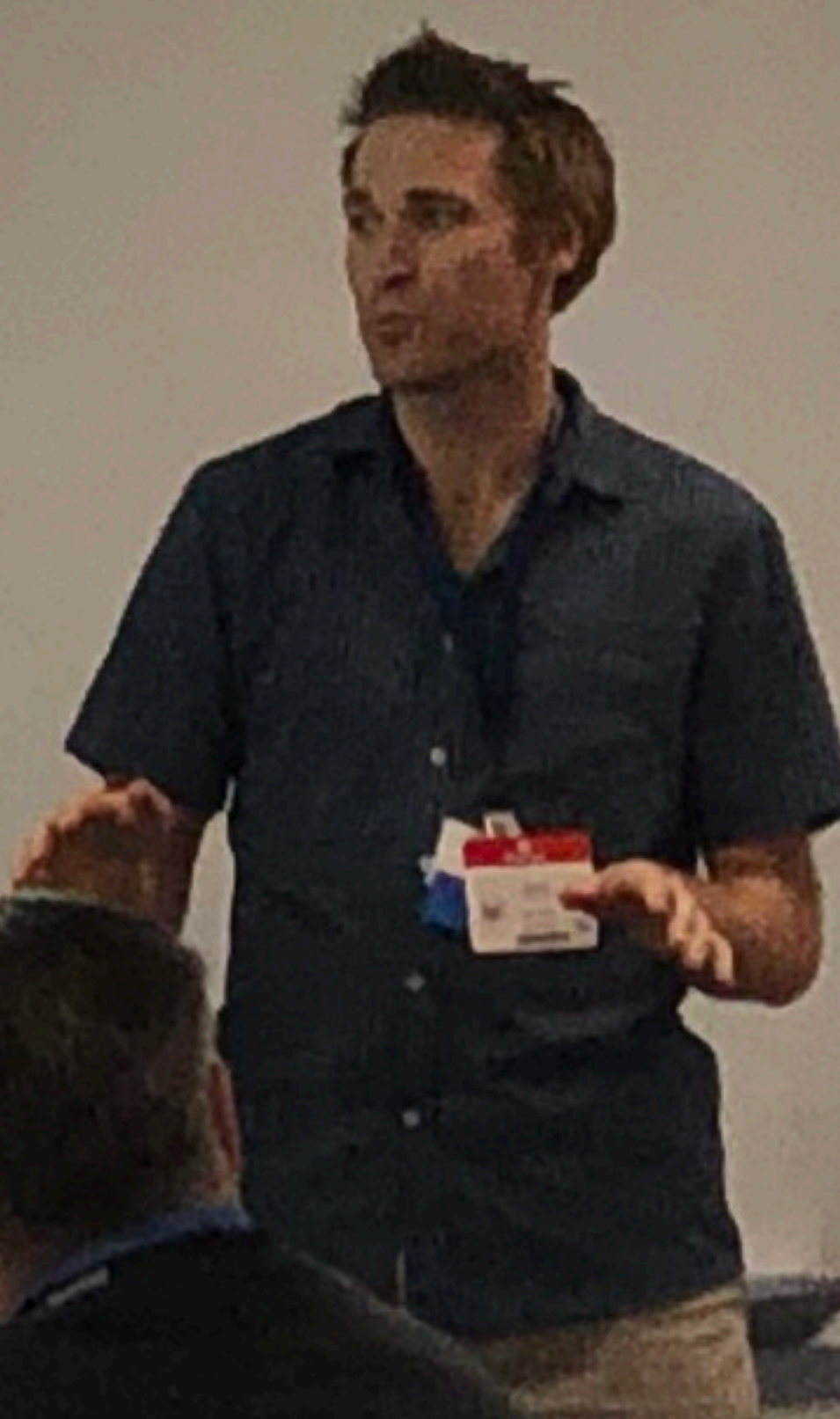


Example – Proposal for low-level disposal facility (Tellus Holdings)

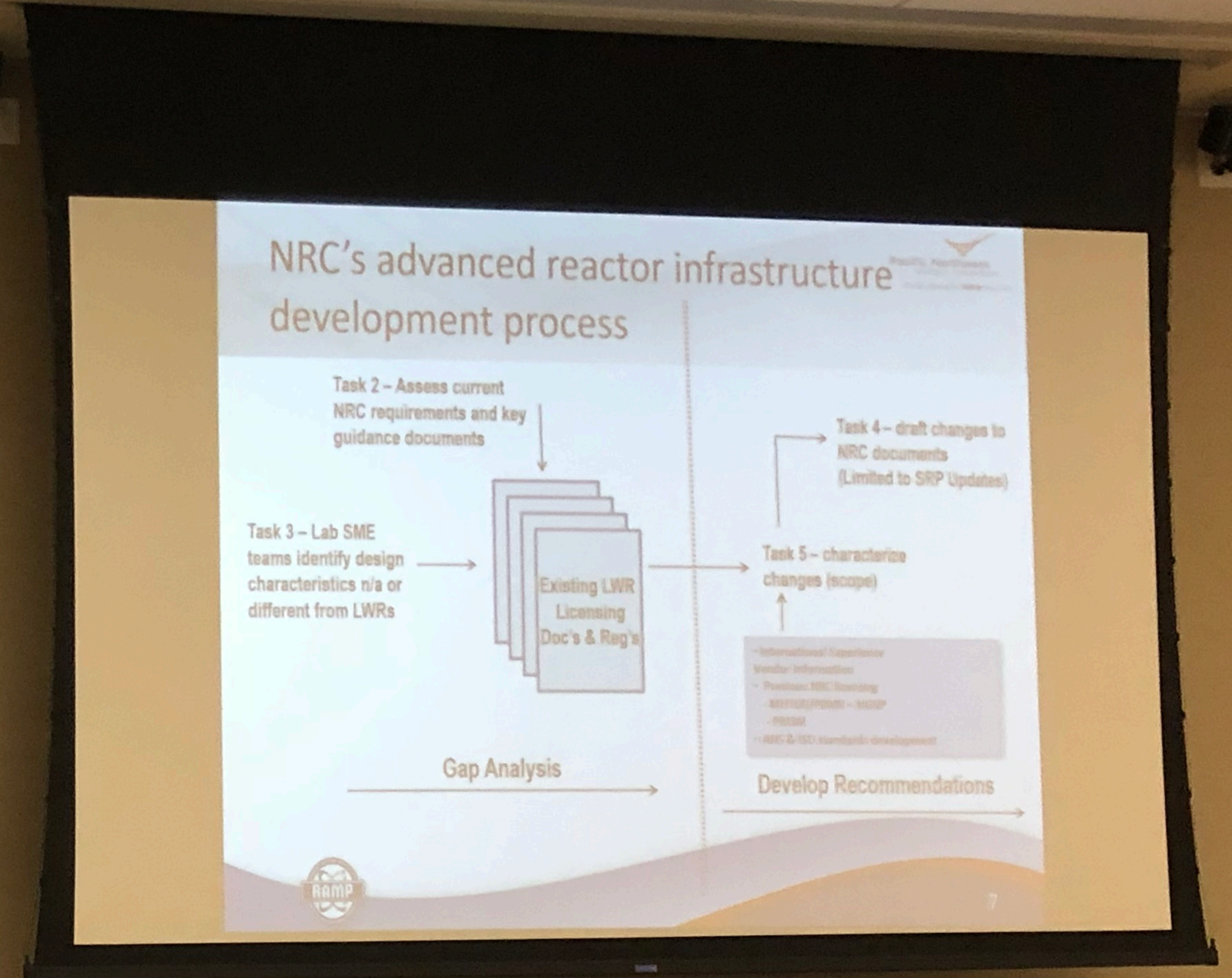
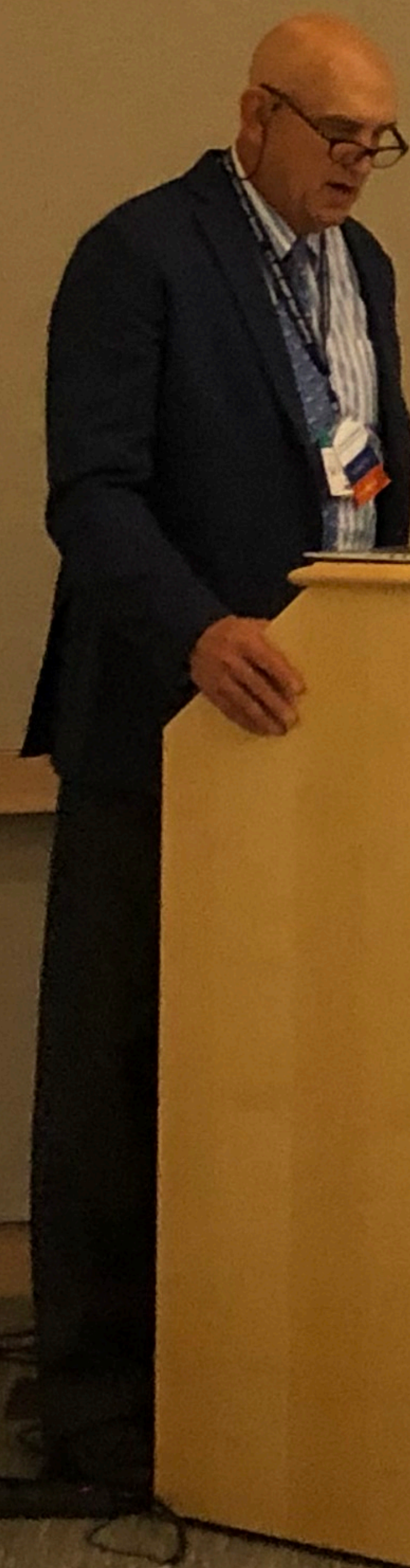
- Proposal for waste facility in Western Australia
- Low-level radioactive waste
 - Some bulk waste
 - Disused sealed sources
 - Not waste for nuclear fuel cycle
- Chemical waste disposal
- Post-closure assessment used RESRAD-on-site



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SANDY
PHIL





RASCAL Training

Radiological Assessment System for Consequence Analysis

RASCAL Training
Radiological Assessment System for
Consequence Analysis

RASCAL (Non-Med)
Verizon-791L - E1003
n7d9d

PROFESSIONAL CONDUCT
Students are expected to adhere to the following standards of professional conduct during the training process. Failure to adhere to these standards may result in removal from the training process.

CLASSROOM DISRUPTIONS
Students are expected to maintain a professional demeanor in the classroom. Disruptions, including but not limited to, talking, cell phone use, and other distractions, are prohibited. Students who violate this policy may be removed from the training process.

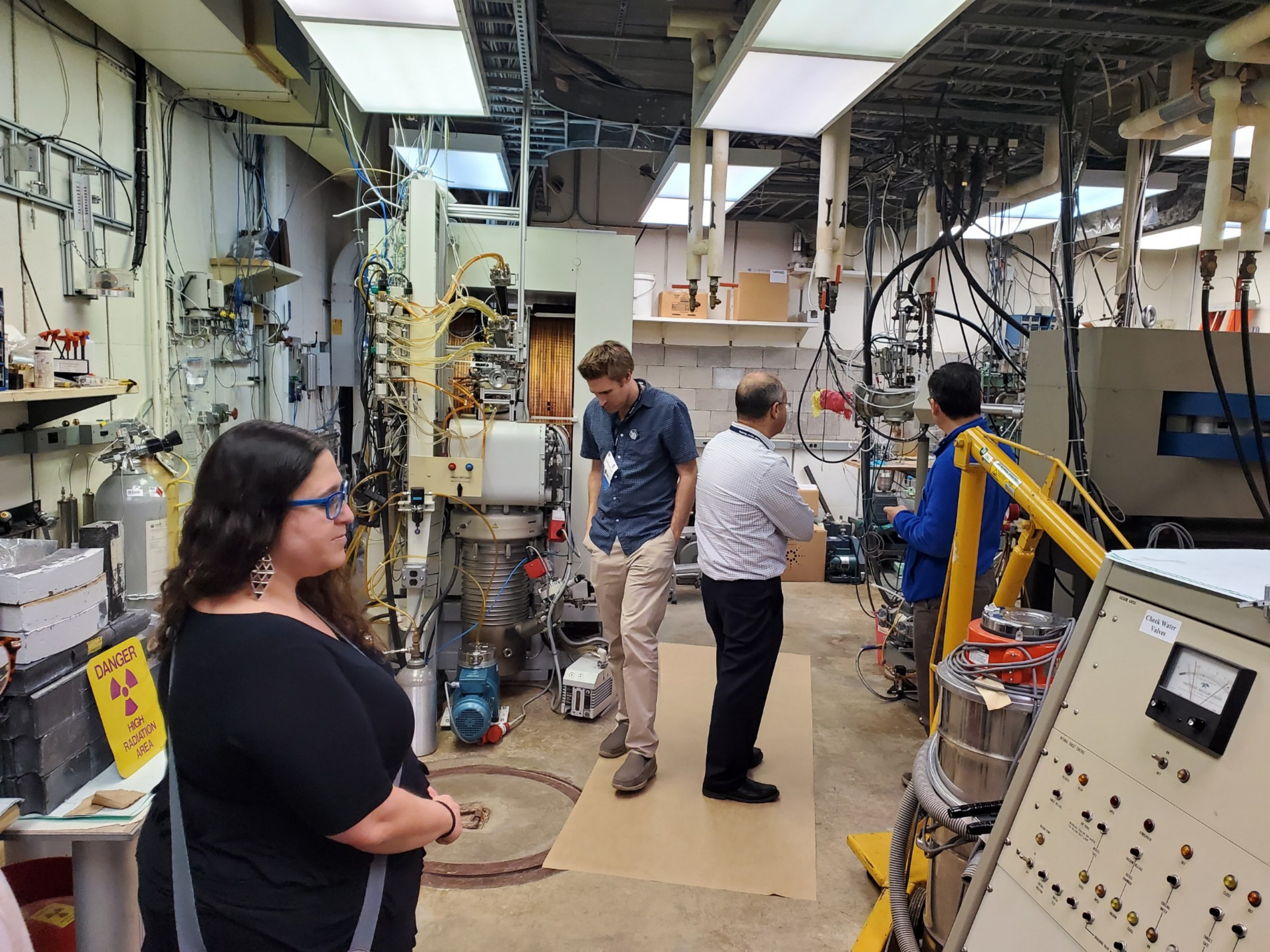
ATTENDANCE
Students are expected to attend all training sessions. Absence from any session without prior notification may result in removal from the training process.

EXAMINATION SECURITY
Students are expected to maintain the security of the examination process. Any attempt to cheat or otherwise compromise the examination process may result in removal from the training process.







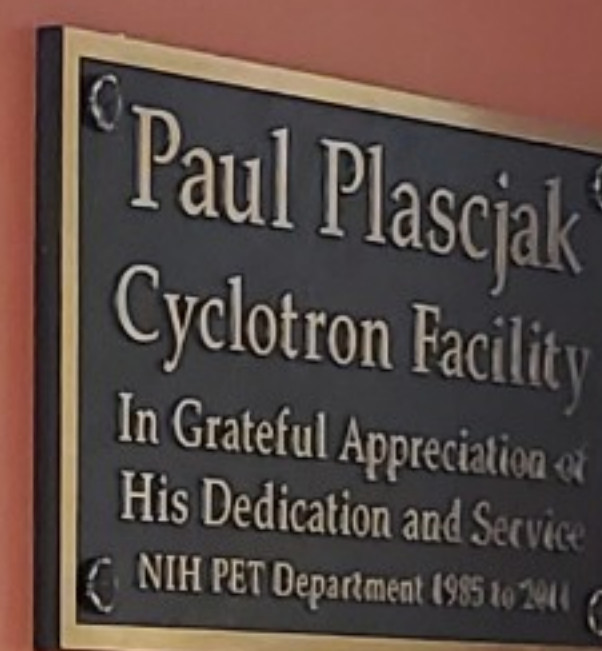
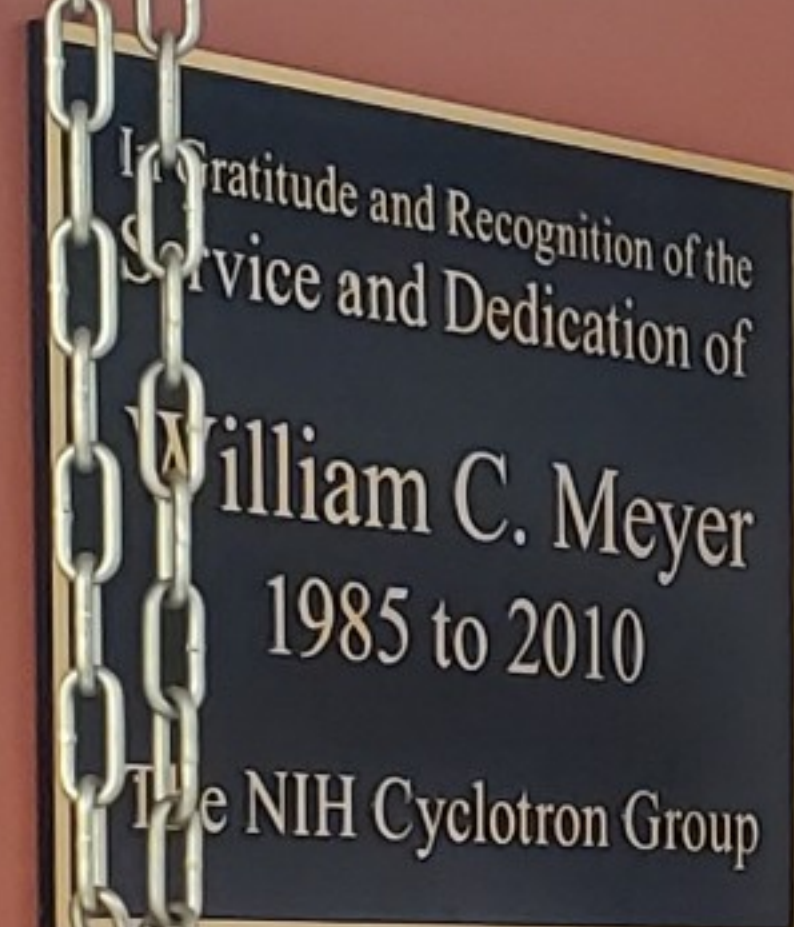




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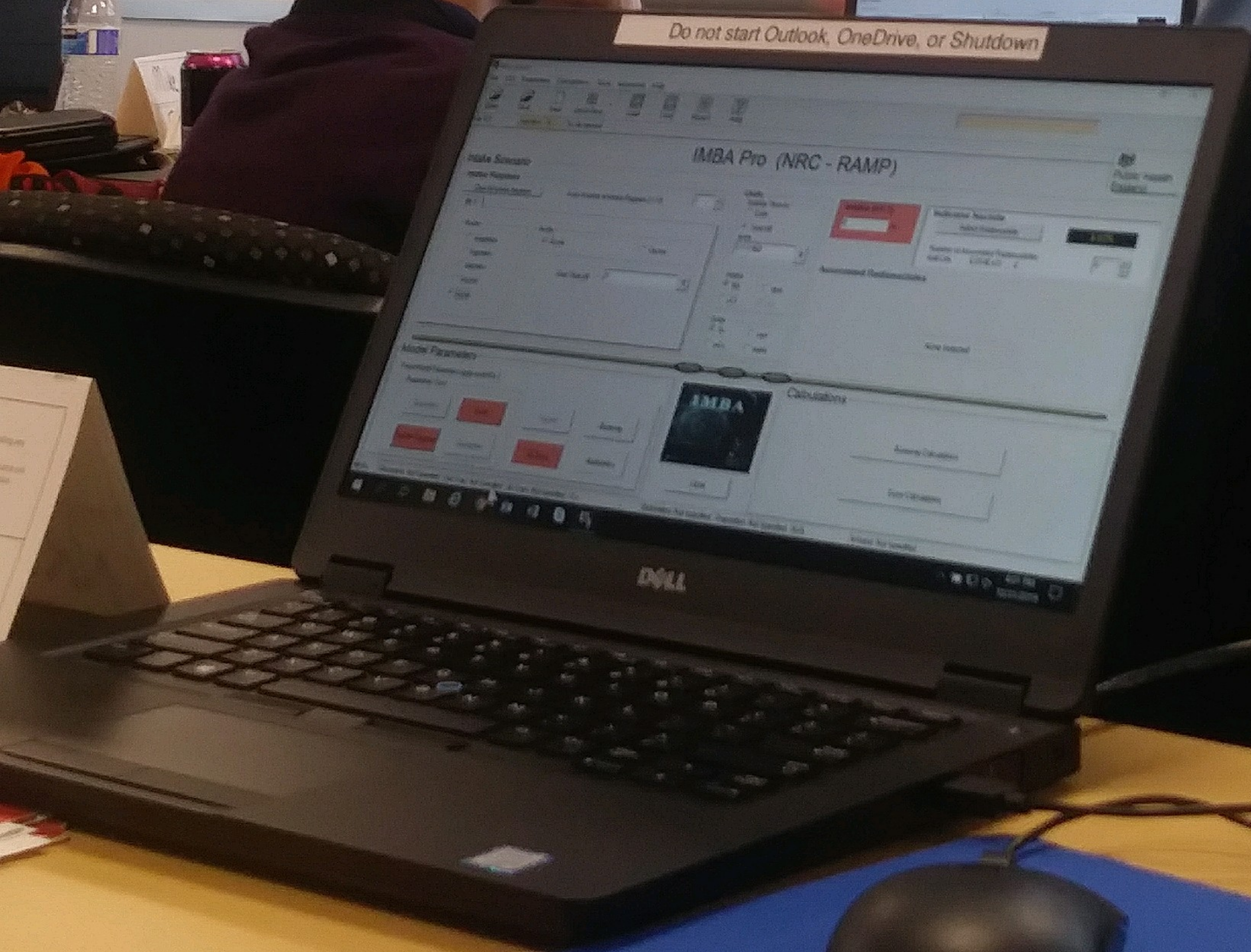
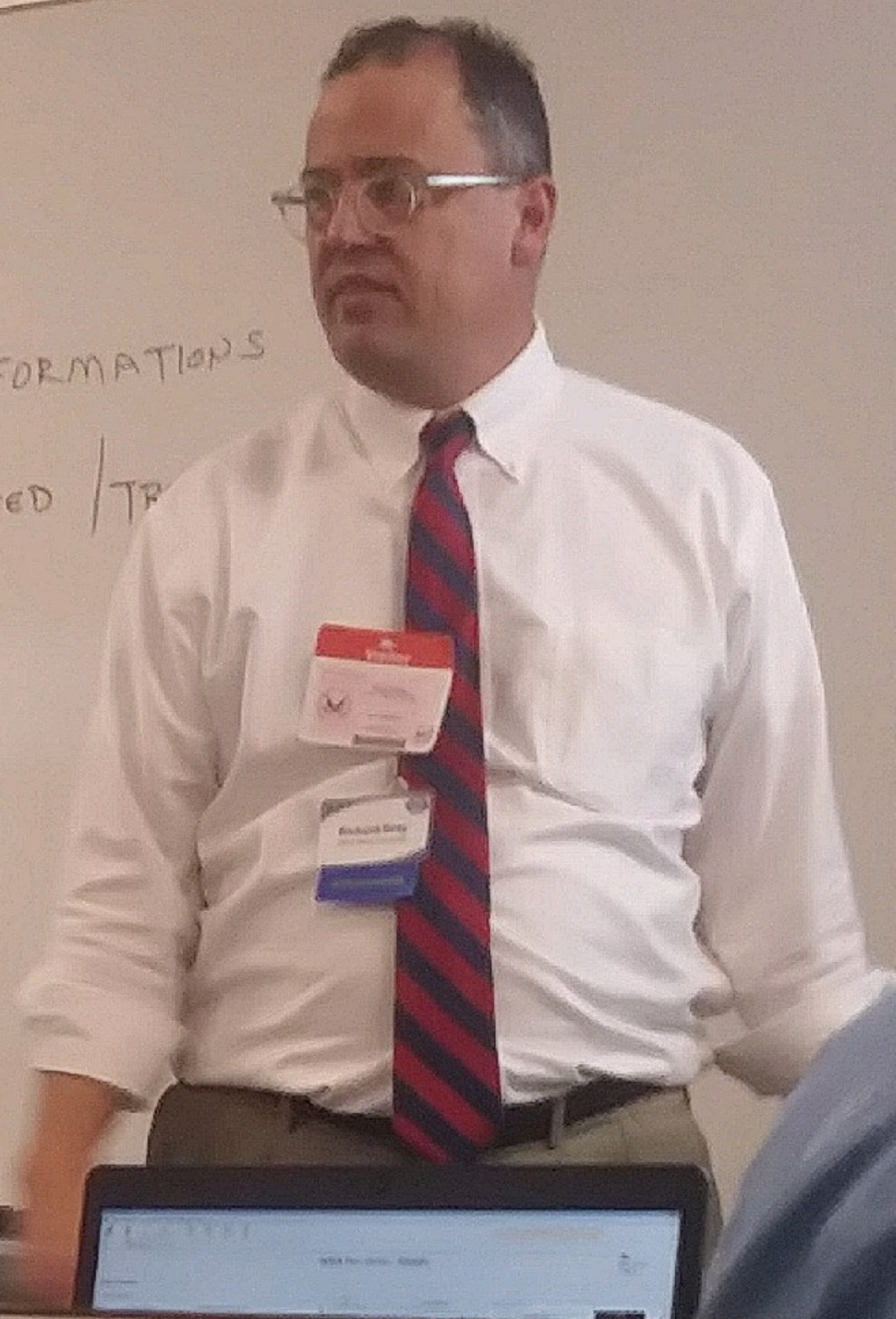
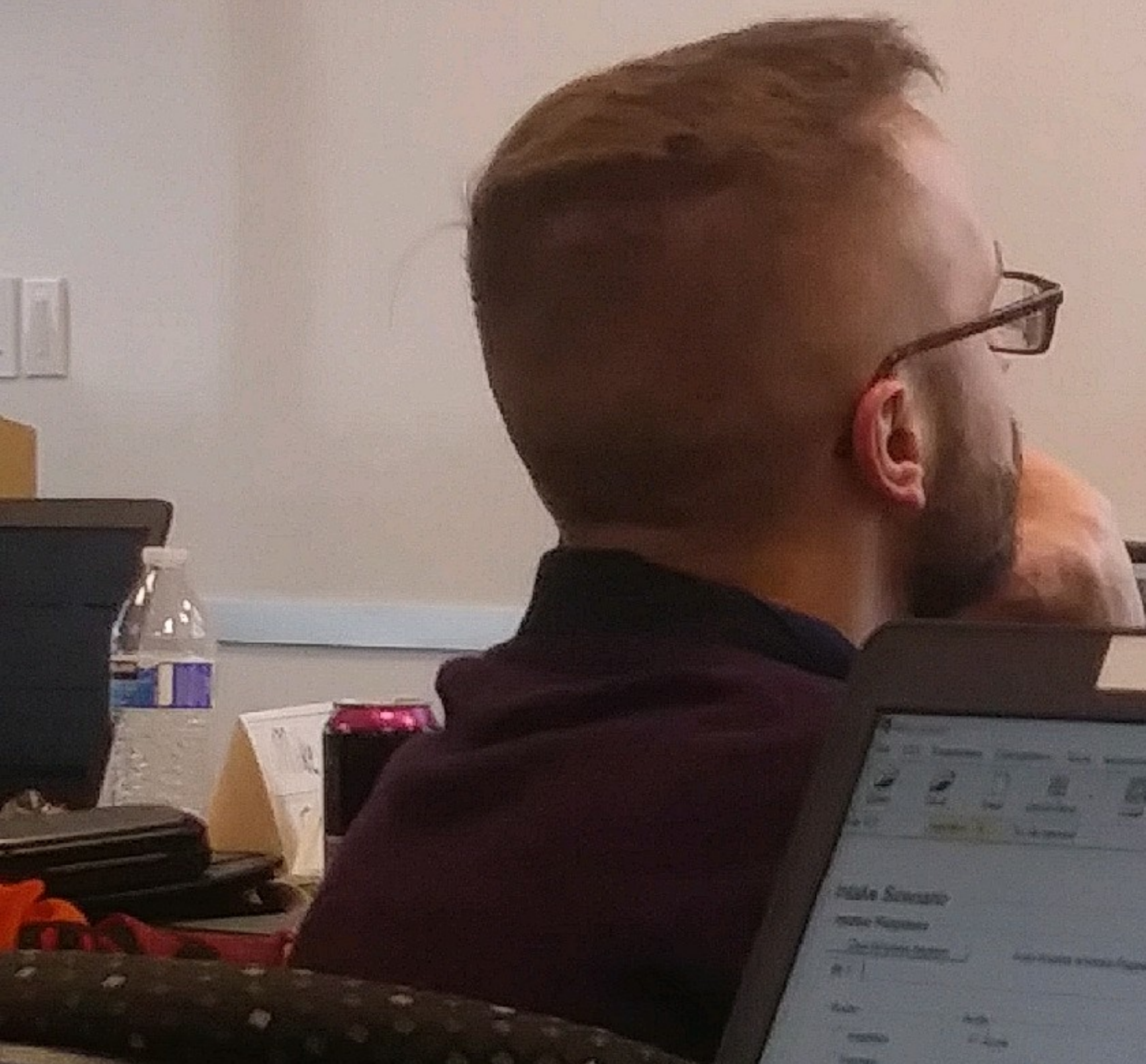


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- 1) # OF TRANSFORMATIONS
- 2) ENERGY DEPOSITED / TR









Non-LWR
Meeting



USNRC

