



# CONTE 2023

Conference on Nuclear Training and Education: A Biennial International Forum

February 6-9, 2023 | Amelia Island, FL | Omni Amelia Island Resort

## CALL FOR PAPERS

### EXECUTIVE CHAIRS

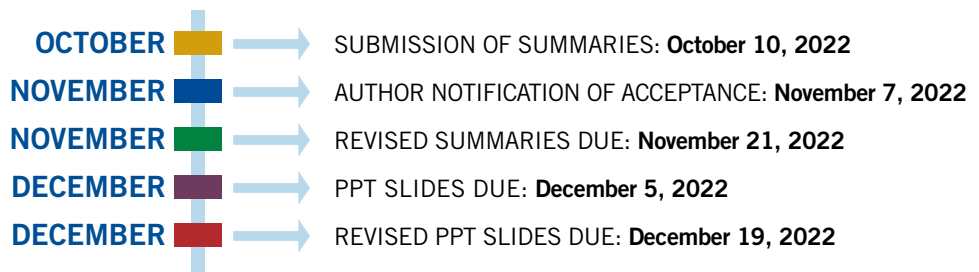
#### General Chair

Kostas Dovas, Exelon Generation  
Kostadin Ivanov, North Carolina State University

#### Technical Program Co-Chairs

Christopher McClain, Dominion Energy  
Andrew Thomas, Idaho National Laboratory

### SUMMARY DEADLINE: OCTOBER 10, 2022 | NO EXCEPTIONS FOR DEADLINES



### FORMAT

Authors are required to use the CONTE 2023 template provided at <https://www.ans.org/meetings/view-363/>. Summaries must be submitted electronically using Adobe Acrobat (PDF) documents and the ANS Electronic Paper Submission and Review system (EPSR). Summaries not based on the CONTE template will be rejected.

### GUIDELINES FOR SUMMARIES

Please submit summaries describing work that is new, significant and relevant to the conference themes. ANS will publish all accepted summaries in the Proceedings. Summaries are presented orally at the meeting, and presenters are expected to register for the meeting. Full papers based on summaries may be published elsewhere, but the summaries become the property of ANS, and copyright assignment is required. Under no circumstances should a summary or full paper be published in any other publication before presentation at the ANS meeting. It is the author's responsibility to protect classified, export-controlled, or proprietary information.

#### CONTENT

- 1. Introduction:** State the purpose of the work.
- 2. Description of the actual work:** Must be new, significant and/or relevant to conference themes.
- 3. Results:** Discuss their significance.
- 4. Conclusion**
- 5. References:** If any, must be closely related published works. Minimize the number of references.
- 6. Do not present a bibliographical listing**

#### LENGTH

1. Minimum of one (1) page
2. Maximum of four (4) pages, including references and acknowledgements
3. Limit title to ten (10) words
4. Limit listing authors to three (3) or fewer, if possible.

### PAGE CHARGES

Any accepted summary exceeding the four-page limit will be subject to page charges of \$100 per page.

### SUBMIT A SUMMARY

<https://epsr.ans.org/meeting/?m=363>

### PROGRAM SPECIALIST

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## TRACK THEMES AND DESCRIPTIONS

### 1. STRATEGICALLY ALIGNING TRAINING TO WORKFORCE CHALLENGES

Summaries should address training related activities that focus on improving organizational efficiency. Potential topics could include outage improvements, cross-training of craft personnel, knowledge transfer and retention, succession planning, workforce development initiatives or activities associated with implementing organizational changes.

### 2. PERSONNEL TRAINING/QUALIFICATION/EDUCATION

Summaries focus on training activities to ensure that personnel are trained and qualified, and proficient to perform their jobs. This can include training of craft personnel, engineers, on-boarding of instructional staff at colleges and universities, or similar activities.

### 3. OPERATIONS, MAINTENANCE, SECURITY FUNDAMENTALS AND TECHNICAL SKILLS

This track's focus is on preparing and maintaining the nuclear workforce including classroom, OJT and mentoring activities. Summaries focus on the inclusion of technical and human performance/error reduction fundamentals in training activities.

### 4. OPERATOR LICENSING

This track focuses on activities associated with operator licensing including operator initial training. Summary topics include changes to regulations, training activities, improvements in operator training, requalification training, virtual license examination and similar topics.

### 5. EXPERT INSTRUCTOR SKILLS

Focus on activities associated with developing instructors with expert skills. This includes areas such as the role of instructional technologists, material development, multiple media in material development, instructional skill techniques in the virtual world, platform skills, and coaching skills.

### 6. LEADERSHIP DEVELOPMENT

Summaries in this track should focus on the development of leadership in industry, government, or higher education. Areas include educational activities, mentoring, or other associated areas. This topic also focuses on developing and maintaining training leadership in the nuclear industry. Summaries can cover training leadership seminars, developmental activities, mentoring, or other associated activities.

### 7. NUCLEAR INDUSTRY/NUCLEAR TRADES/EDUCATIONAL INSTITUTION/GOVERNMENT COLLABORATION

Summaries in this topical area explore the relationship between nuclear industry organizations, trades and educational institutions. Topics can include the nuclear uniform curriculum program (NUCP), trade apprenticeships in qualification of personnel, use of industry staff in teaching courses at local colleges, access to facilities, mentoring, and other related topics.

### 8. INNOVATIVE USE OF TECHNOLOGY IN TRAINING

This track addresses innovative or expanded uses of technology in nuclear training or education. Summary topics include such areas as expanded simulator capabilities; use of simulators in groups other than Operations; use of 3-D printers, artificial intelligence, augmented reality, virtual reality, and changes to laboratories or classroom environments.

### 9. MIND, BRAIN, AND INNOVATIVE EDUCATION

This track focuses on Mind, Brain, and Education which is formed at the intersection of Cognitive Psychology, Neuroscience, and Education. One of its chief goals is to help educators dispel popular myths (for example teaching to learning styles) and ensure that the learning interventions used by educators are based on solid scientific research. Topics could focus on specific design models, evidence-informed design decisions, learning theories, and any new research that addresses issues in workforce training and improves learning outcomes.

### 10. ACCREDITATION LESSONS LEARNED

Summaries in this area focus on the results of accreditation activities. Summaries can include changes to INPO accreditation activities, trends identified, and improvements implemented because of accreditation activities.

### 11. ENGINEERING EDUCATION AND OUTREACH

Focuses on activities associated with college and university engineering programs related to nuclear power. Topics include student engagement, course design, senior projects, graduate success, distance learning, staff training, pre-college outreach or similar topics. Summaries for this track can also focus on activities associated with accreditation of colleges and universities by ABET (previously known as the Accreditation Board for Engineering and Technology) or other accrediting bodies. Topics include post-secondary accreditation preparation, review results, changes to post-secondary program outcomes, or other similar topics.

### 12. ONLINE EDUCATION AND E-LEARNING

This area focuses on activities associated with the development and implementation of online and distance learning activities for nuclear personnel. The topical area includes material development, activities to ensure the quality of the material as well as delivery. Other topics may include use of Quality Matters, secure assessments, or similar quality control processes in the development of lesson and evaluation materials.

### 13. ADVANCED REACTOR TRAINING INNOVATIONS

Summaries in this track focus on the development and implementation of training programs to prepare and maintain a workforce, including workforce transition from fossil power plants, for advanced reactors including uses of technology in training and approaches to determining competency.

## LEARN ABOUT

Global Nuclear Energy Issues and Challenges

Status of New Nuclear

Insights on Decommissioning

Establishing the Training Conscience

Developing the Future Workforce

Leadership Development

Innovations in Education and

Training Delivery

Education and Industry Partnering

Emerging Industry Trends in Training

Accreditation Health

FOR FURTHER INFORMATION, PLEASE VISIT THE ANS WEBSITE: [ans.org/meetings/view-363/](https://ans.org/meetings/view-363/)