CONTE 2021

Conference on Nuclear Training and Education: A Biennial International Forum

February 9-11, 2021 | Virtual Meeting

CALL FOR PAPERS

EXECUTIVE CHAIRS

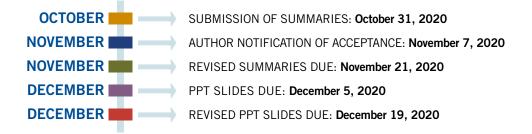*General Chair*
J. Wesley Hines, University of Tennessee Knoxville

Technical Program Co-Chairs
Russell Coon, VPSP, LLC
Andrew Thomas, Idaho National Laboratory

SUMMARY DEADLINE: OCTOBER 31, 2020 | NO EXCEPTIONS FOR DEADLINES

OCTOBER → SUBMISSION OF SUMMARIES: **October 31, 2020**

NOVEMBER → AUTHOR NOTIFICATION OF ACCEPTANCE: **November 7, 2020**

NOVEMBER → REVISED SUMMARIES DUE: **November 21, 2020**

DECEMBER → PPT SLIDES DUE: **December 5, 2020**

DECEMBER → REVISED PPT SLIDES DUE: **December 19, 2020**

FORMAT

Authors are now REQUIRED to use the ANS Template and "Guidelines for Summary Preparation" provided on the ANS Web site at ans.org/pubs/transactions/docs/guidelines.pdf. Summaries must be submitted electronically using Adobe Acrobat (PDF) files or original Microsoft Word documents and the ANS Electronic Submission System. Summaries not based on the ANS 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. Papers are presented orally at the meeting, and presenters are expected to register for the meeting. Completed papers may be distributed at meeting and published elsewhere, but the summaries become the property of ANS. Under no circumstances should a summary or full paper be published in any other publication prior to presentation at the ANS meeting. It is the author's responsibility to protect classified or proprietary information. Copyright assignment is required. A copyright form will be at **ans.org/meetings/file/view-1003/**

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
6. **Do not present a bibliographical listing**

LENGTH

1. Use at least 450 words, excluding tables and figures.
2. Use no more than 900 words, including tables and figures.
3. Count tables and figures as 150 words each. Use no more than three tables or figures.
4. Limit title to ten words; limit listing authors to three or fewer if possible.
5. Exclude references from word count

PAGE CHARGE

All summaries are limited to 2 pages. Any paper exceeding the two-page limit will be charged $100 per page.

SUBMIT A SUMMARY

http://epsr.ans.org/meeting/?m=331

PROGRAM SPECIALIST

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TRACK THEMES AND DESCRIPTIONS

1. HUMAN PERFORMANCE IMPROVEMENT

Papers should address training activities associated with improving human performance in the commercial nuclear industry, government, or higher education. Topics include workforce and instructional staff development, use of instructional staff in leading station standards, contract resources, or similar areas.

2. STRATEGIC USE OF TRAINING

Papers should address training related activities that focus on improving organizational efficiency. Potential topics could include outage improvements, cross-training of craft personnel, or activities associated with implementing organizational changes.

3. PERSONNEL TRAINING/QUALIFICATION/EDUCATION

Papers 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.

4. OPERATIONS, MAINTENANCE FUNDAMENTALS AND TECHNICAL SKILLS

The focus of this track is on addressing the inclusion of fundamentals in training activities. Papers address areas such as inclusion of fundamentals in training material, results observed as a result of a focus on fundamentals, and similar topics.

5. OPERATOR LICENSING

This track focuses on activities associated with Operator licensing. Paper topics include changes to regulations, training activities, improvements operator training, requalification training, and similar topics.

6. SECURITY TRAINING

This track focuses on activities associate with the training of security personnel. Topic could include training techniques, use of the systematic approach to training, and performance analysis.

7. EXPERT INSTRUCTOR SKILLS

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

8. TRAINING LEADERSHIP PIPELINE

This topic is on developing and maintaining training leadership in the nuclear industry. Papers in this topic cover training leadership seminars, developmental activities, mentoring, or other associated activities.

9. LEADERSHIP DEVELOPMENT

Papers in this track focus on the development of leadership in the industry, government, or higher education. Areas included educational activities, mentoring, or other associated areas.

10. MAINTAINING THE TRAINING CONSCIENCE/ SAT KNOWLEDGE

Papers in this area should focus on the activities to maintain an appropriate level of knowledge associated with the Systematic Approach to Training in both training staff and line management.

11. NUCLEAR INDUSTRY/NUCLEAR TRADES/EDUCATIONAL INSTITUTION/GOVERNMENT COLLABORATION

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

12. TRAINING TECHNOLOGY, INNOVATIVE METHODS OR SIMULATIONS

This track addresses technology and innovative activities associated with nuclear training or education. Paper topics include such areas as simulator upgrades, use of 3-D printers, artificial intelligence, changes to laboratories or classroom environments.

13. ACCREDITATION LESSONS LEARNED

Papers in this area focus on the results of accreditation activities. Papers can include changes to INPO accreditation activities, trends identified, and improvements implemented as a result of accreditation activities.

14. POST-SECONDARY ENGINEERING EDUCATION

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, or similar topics.

15. RESEARCH DEVELOPMENT IN POST-SECONDARY EDUCATION

The focus of papers in this track is on developing proposals, teaming and finding research funding. Topics include development of research topics and the link to educational outcomes, aspects of proposal review by government agencies, and similar issues.

TRACK THEMES AND DESCRIPTIONS

16. ON-LINE EDUCATION AND eLEARNING

This area focuses on activities associated with the development and implementation of on-line and distance learning activities for nuclear personnel. The topical area includes material development, activities to assure the quality of the material and well as delivery. Other topics may include use of Quality Matters or similar quality control process in the development of lesson material.

17. MIND, BRAIN, AND 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 identify neuromyths (for example teaching to learning styles) and ensure that the learning interventions used by educators are based on solid scientific research.

18. ADULT EDUCATION

This track focuses on training and educational activities associated with the adult learner. Papers can address the role of andragogy in the development of material, prior learning assessments (PLA), specific activities associated with adult learners, and education and training differences associated with generational differences.

19. POST SECONDARY ACCREDITATION

Papers associated with this track 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.

20. DEVELOPING WORKFORCE STANDARDS

Papers in this track focus on activities in the United States and Internationally related to training and workforce development. Areas included educational initiatives, identified trends, and development or revision to standards.

21. INTERNATIONAL NUCLEAR TRAINING INITIATIVES AND INNOVATIVE TECHNIQUES

Papers in this area focus on training initiatives in the international community. Topics include training activities, techniques and innovations that support the development of applicable knowledge and skills.

22. REGULATORY FINDINGS/INSIGHTS

This topical area is intended to provide a forum for discussion of regulatory issues associated with training in the United States and internationally. Papers include topics associated with regulatory findings, regulatory changes, and the effect of regulations on industry performance.

23. NEW BUILDS/TRAINING LESSONS LEARNED

Papers in this area address training activities associated with new nuclear power plants. Papers address topics such as development of training programs, task analysis, regulatory interface, material development, and accreditation activities.

24. LEARNINGS FROM NON-NUCLEAR INDUSTRY EVENTS

Papers in this area focus on presentation by non-nuclear industry personnel of lessons learned from events in their industry. Paper topics can include the results of investigations into events in shipping, the airline industry, the chemical industry, non-nuclear governmental agencies, or other similar activities

25. COVID-19 TRAINING CHALLENGES

This topical area explores challenges associated with training activities as a result of actions to address the COVID-19 pandemic. Paper topics can include reductions in non-essential training, methods to ensure training effectiveness, temporary exemptions to training requirements, strategies allowing for remote instructor activities, plans for resuming normal training activities, and use of communication technologies (eLearning, teleconferences, videoconferences, etc).

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