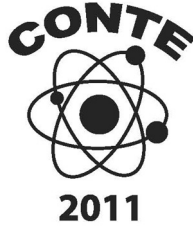


Conference on Nuclear Training and Education

CONTE 2011



American Nuclear Society: Topical Meeting

Co-Sponsored by the European Nuclear Society

*“An International Forum on Nuclear Training, Education
and Workforce Issues: Looking at Effectiveness”*

**February 6-9, 2011
Jacksonville, Florida**

Hyatt Regency Jacksonville Riverfront Hotel



OFFICIAL PROGRAM

CONTRIBUTING ORGANIZATIONS

*The organizations listed below have made an outstanding contribution to the success of the
Conference on Nuclear Training and Education — CONTE 2011
and to the enjoyment of the attendees and their guests through their generous sponsorship.*

PLATINUM SPONSORSHIP:

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Turning Technologies
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SUNDAY, FEBRUARY 6, 2011:

Excelsior College (Opening Reception)

MONDAY, FEBRUARY 7, 2011:

Tennessee Valley Authority (TVA) (Monday Breakfast)
Southern Nuclear Operating Co. (Monday Lunch)
Exelon Nuclear (Appetizers for Monday Reception)

TUESDAY, FEBRUARY 8, 2011:

Dominion Generation (Tuesday Breakfast)
Entergy Nuclear (Tuesday Lunch)
NextEra Energy, Inc. (Appetizers for Tuesday Reception)

WEDNESDAY, FEBRUARY 9, 2011:

Constellation Energy Nuclear Group (Closing Conference Luncheon)

Thank You!

Conference on Nuclear Training and Education

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*“An International Forum on Nuclear Training, Education
and Workforce Issues: Looking at Effectiveness”*

**February 6-9, 2011
Jacksonville, Florida**

Hyatt Regency Jacksonville Riverfront Hotel

UPDATED: February 4, 2011

4 **Conference Officials**

5 **Conference Information**

Find important information about hotel accommodations, meeting registration, the conference proceedings and social events that are scheduled.

6 **Conference Schedule**

7-12 **Technical Sessions**

13 **Vendor Technology Exhibit**

Conference Officials

GENERAL CHAIR:

Stephen Kuczynski

*Senior VP of Engineering and Technical Services,
Exelon Nuclear*

TECHNICAL PROGRAM CO-CHAIR:

Jane LeClair

Excelsior College

TECHNICAL PROGRAM CO-CHAIR:

Patrick Berry

Entergy

TECHNICAL PROGRAM COMMITTEE:

Dr. Philip Beeley, *Khalifa University*

Patrick Berry, *Entergy*

Dr. Gilbert Brown, *University of Massachusetts – Lowell*

Dr. Peter Caracappa, *Rensselaer Polytechnic Institute*

Dr. Richard Coe, *Thomas Edison State College*

Russell Coon, *Exelon*

Michael Desilets, *Entergy*

David Helling, *Westinghouse*

William Hendy, *Diablo Canyon Power Plant*

Richard Holman, *Idaho National Lab*

Alexey Kazennov, *International Atomic Energy Agency*

Dr. Jane LeClair, *Excelsior College*

Renee Milner, *TVA*

Peter Knoetgen, *Institute of Nuclear Power Operations*

Dr. Michael Robinson, *Bettis Atomic Lab*

Julie Sickle, *Constellation Energy*

Peter Tocci, *PSEG*

Lynn Walter, *PG&E*

Dr. Terry Williams, *TMW Consulting LLC*

Ann Winters, *Institute of Nuclear Power Operations*

In Memoriam

***Kent W.
Hamlin***

(1948 – 2010)



Kent W. Hamlin was widely recognized in the nuclear power industry—worldwide—for his exemplary contributions to the industry’s accredited, standardized training programs, his dedication to promoting the highest standards of safety, reliability, and excellence in plant operations, and his high personal standards, integrity, and consummate professionalism. During his long career, Kent served in various leadership and executive roles that had significant impact on the industry’s continuing improvements and successes. Through his unwavering commitment to plant operator training, he set high industry standards for effective operator licensing activities. Kent was a major contributor to the initial development and continuing success of CONTE. The ANS Kent W. Hamlin Memorial Scholarship has been established to continue Kent’s support of the nuclear power industry.

Distinguished Nuclear Energy Service

- **US Nuclear Navy - Captain (retired) U.S. Naval Reserve**
- **Institute of Nuclear Power Operations (INPO)**
- **World Association of Nuclear Operators (WANO)**
- **International Atomic Energy Agency**
- **Nuclear Uniform Curriculum Program**
- **American Nuclear Society Education, Training, and Workforce Development Division – Chair 2008**
- **Conference on Nuclear Training and Education (CONTE) – Chair 2009**
- **Accreditation Board for Engineering and Technology (ABET)**
- **ANS Training Excellence Award 2009**
- **Licensed Professional Engineer (Nuclear)**

LEARN ABOUT

- Current Nuclear Energy Issues and Challenges
- New Education & Training Techniques
- Workforce Development Strategies
- Knowledge Retention
- Innovations in Education and Training Delivery
- Emerging Industry Trends in Training

CONFERENCE REGISTRATION

Registration is required for all attendees and presenters. Badges are required for admission to all events.

The **Full Conference Registration Fee** includes admission to all technical sessions, Opening Reception, Monday Luncheon, Tuesday Awards Luncheon and the conference proceedings.

The **Student Registration Fee** includes admission to all technical sessions and the conference proceedings. A full time student i.d. is required.

NOTE: Additional tickets can be purchased at the ANS registration desk for the Opening Reception, Monday Luncheon and the Tuesday Awards Luncheon.

REGISTRATION HOURS

The ANS registration desk and message desk will be located in the Grand Ballroom Foyer, second level of the Hyatt Regency Jacksonville Riverfront Hotel. You may register, purchase tickets for events, or pick up your registration packet during the following hours:

SUNDAY, FEBRUARY 6, 2011	12:00 PM - 6:00 PM
MONDAY, FEBRUARY 7, 2011	7:30 AM - 6:00 PM
TUESDAY, FEBRUARY 8, 2011	7:30 AM - 6:00 PM
WEDNESDAY, FEBRUARY 9, 2011	7:30 AM - 12:00 PM

HOTEL ACCOMMODATIONS

Technical sessions and meeting activities are scheduled at the Hyatt Regency Jacksonville Riverfront Hotel.

CONFERENCE PROCEEDINGS

Each conference registrant will receive a copy of the proceedings with their registration material. Additional copies may be purchased at the conference registration desk for \$95.00. To purchase copies following the conference, you may contact the ANS Accounting Department at 708-579-8210 (phone); 708-579-8314 (fax); accounting@ans.org (email); or submit your request in writing to: American Nuclear Society, 97781 Eagle Way, Chicago, IL 60678-9770. Payment information must accompany all orders.

PLEASE NOTE: When sending something to ANS with express mail or with an overnight service provider such as FedEx, UPS, DHL, etc., please use the following address only: American Nuclear Society, 555 North Kensington Avenue, La Grange Park, IL 60526, U.S.A. Do not use the Eagle Way address in Chicago for express and overnight mail as it will be returned to sender and this will result in a processing delay.

SOCIAL FUNCTIONS

OPENING RECEPTION & SUPER BOWL PARTY

(Sponsored by Excelsior College)

SUNDAY, FEBRUARY 6, 2011 • 6:30 PM – 9:00 PM

LOCATION: GRAND BALLROOM FOYER 5–8

Each full conference registrant will receive a ticket for the reception. Additional tickets may be purchased on-site at the ANS registration desk for \$65.00.

CONTE Super Bowl Party – Don't miss a moment of game play!

Join us for the CONTE Opening Reception on Sunday, February 6, 2011, 6:30 – 9:00 pm in the Grand Ballroom Foyer of the Hyatt Regency Jacksonville Riverfront Hotel. There will be large screens TVs, great food and drink, gifts, prizes and chances to win with our fabulous football pool. See you there!

CONFERENCE LUNCHEON

(Sponsored by Southern Nuclear Operating Company)

MONDAY, FEBRUARY 7, 2011 • 11:30 AM – 1:00 PM

LOCATION: GRAND BALLROOM 4

SPEAKERS:

- William D. Magwood (*Commissioner, U.S. Nuclear Regulatory Commission*)
- Dave Igyarto (*Vice President, INPO*)

Each full conference registrant will receive a ticket for the luncheon. Additional tickets may be purchased on-site at the ANS registration desk for \$55.00.

CASH BAR RECEPTION IN THE EXPO

(Appetizers Sponsored by Exelon Nuclear)

MONDAY, FEBRUARY 7, 2011 • 6:30 PM – 8:00 PM

LOCATION: GRAND BALLROOM FOYER 5–8

CONTE AWARDS LUNCHEON

(Sponsored by Entergy Nuclear)

TUESDAY, FEBRUARY 8, 2011 • 11:45 AM – 1:00 PM

LOCATION: GRAND BALLROOM 4

SPEAKER:

Charles Pardee (*Chairman, National Nuclear Accrediting Board*)

PRESENTER OF ROBERT L. LONG TRAINING EXCELLENCE AWARDS:

Dr. Richard Coe

ROBERT L. LONG TRAINING EXCELLENCE AWARD RECIPIENTS:

- Ann D. Winters (*INPO*)
- Arthur H. Friedman (*Exelon Nuclear*)
- Timothy McGhee (*Chattanooga State Community College*)
- Renee C. Milner (*TVA*)
- John Steiner (*Salem Community College*)
- Peter Tocci, Jr. (*PSEG*)

Each full conference registrant will receive a ticket for the luncheon. Additional tickets may be purchased on-site at the ANS registration desk for \$55.00.

CASH BAR RECEPTION IN THE EXPO

(Appetizers Sponsored by NextEra Energy, Inc.)

TUESDAY, FEBRUARY 8, 2011 • 6:30 PM – 8:00 PM

LOCATION: GRAND BALLROOM FOYER 5–8

CLOSING CONFERENCE LUNCHEON

WEDNESDAY, FEBRUARY 9, 2011 • 12:00 PM – 1:00 PM

LOCATION: GRAND BALLROOM 4

(Sponsored by Constellation Energy Nuclear Group)

SPEAKERS:

- Krista Terry (*Assistant Professor, Appalachian State Univ*)
- Dr. Harold Blackman (*Director, Center for Advanced Energy Studies, INL*)

Each full conference registrant will receive a ticket for the luncheon. Additional tickets may be purchased on-site at the ANS registration desk for \$55.00.

Conference Schedule

SUNDAY, FEBRUARY 6, 2011

6:30 P.M. – 9:00 P.M. OPENING RECEPTION / SUPER BOWL XLV (Sponsored by Excelsior College)

MONDAY, FEBRUARY 7, 2011

7:00 A.M. – 8:00 A.M. CONFERENCE BREAKFAST (Sponsored by Tennessee Valley Authority (TVA))

8:00 A.M. – 9:00 A.M. OPENING PLENARY SESSION

9:00 A.M. – 9:30 A.M. BREAK

9:30 A.M. – 11:30 A.M. TECHNICAL SESSION: Operator Fundamentals
TECHNICAL SESSION: Engineering Training, Part 1

11:30 A.M. – 1:00 P.M. CONFERENCE LUNCHEON (Sponsored by Southern Nuclear Operating Company)

1:00 P.M. – 2:45 P.M. TECHNICAL SESSION: Initial Licensed Operator Training
TECHNICAL SESSION: Nuclear Uniform Curriculum / Partnerships, Part 1
TECHNICAL SESSION: Online and Blended Learning, Part 1

2:45 P.M. – 3:00 P.M. BREAK

3:00 P.M. – 4:45 P.M. TECHNICAL SESSION: Personnel Training, Qualification and Evaluation, Part 1
TECHNICAL SESSION: Applications of Technology in Training

6:00 P.M. – 7:30 P.M. CASH BAR RECEPTION IN THE EXPO (Appetizers Sponsored by Exelon Nuclear)

TUESDAY, FEBRUARY 8, 2011

7:00 A.M. – 8:00 A.M. CONFERENCE BREAKFAST (Sponsored by Dominion Generation)

8:00 A.M. – 9:45 A.M. TECHNICAL SESSION: Engineering Training, Part 2
TECHNICAL SESSION: Nuclear Uniform Curriculum / Partnerships, Part 2
TECHNICAL SESSION: Nuclear Energy Personnel Training, Qualification and Evaluation, Part 2

9:45 A.M. – 10:00 A.M. BREAK

10:00 A.M. – 11:45 A.M. TECHNICAL SESSION: International Perspectives
TECHNICAL SESSION: Online and Blended Learning, Part 2

11:45 A.M. – 1:00 P.M. CONTE AWARDS LUNCHEON (Sponsored by Entergy Nuclear)

1:00 P.M. – 2:45 P.M. TECHNICAL SESSION: Nuclear Uniform Curriculum / Partnerships, Part 3
TECHNICAL SESSION: Leadership Development / Performance Improvement, Part 1
TECHNICAL SESSION: Reactor Operating Licensing Focus Group–Panel

2:45 P.M. – 3:00 P.M. BREAK

3:00 P.M. – 4:45 P.M. TECHNICAL SESSION: Training for Excellence in Human Performance
TECHNICAL SESSION: New Plant

5:00 P.M. – 6:30 P.M. WORKSHOP: “Coaching for Success”

6:00 P.M. – 7:30 P.M. CASH BAR RECEPTION IN THE EXPO (Appetizers Sponsored by NextEra Energy, Inc.)

WEDNESDAY, FEBRUARY 9, 2011

7:00 A.M. – 8:00 A.M. CONFERENCE BREAKFAST

8:00 A.M. – 9:45 A.M. TECHNICAL SESSION: Nuclear Uniform Curriculum / Partnerships, Part 4
TECHNICAL SESSION: Leadership Development, Part 2

9:45 A.M. – 10:00 A.M. BREAK

10:00 A.M. – 12:00 P.M. TECHNICAL SESSION: Work Force Planning / Recruiting
TECHNICAL SESSION: Instructor Training

12:00 P.M. – 1:00 P.M. CLOSING CONFERENCE LUNCHEON (Sponsored by Constellation Energy Nuclear Group)

MONDAY, FEBRUARY 7, 2011, 7:00 a.m. – 8:00 a.m.

Conference Breakfast

Grand Ballroom Foyer

(Sponsored by Tennessee Valley Authority)

MONDAY, FEBRUARY 7, 2011, 8:00 a.m. – 9:00 a.m.

Opening Plenary Session

Grand Ballroom 5

WELCOME:

- Dr. Jane LeClair, Technical Program Co-Chair (*Dean, School of Business & Technology, Excelsior College*)
- Patrick Berry, Technical Program Co-Chair (*Director of Training, Entergy Nuclear*)

INTRODUCTION:

Steve Kuczynski, Program General Chair (*Sr. Vice President of Engineering and Technical Services, Exelon Nuclear*)

KEYNOTE SPEAKERS:

- Donna Jacobs (*Senior Vice President, Planning, Development and Oversight, Entergy Nuclear*)
- Jean Llewellyn (*Chief Executive, UK National Skills Academy*)

MONDAY, FEBRUARY 7, 2011, 9:00 a.m. – 9:30 a.m.

Refreshment Break

Grand Ballroom Foyer

MONDAY, FEBRUARY 7, 2011, 9:30 a.m. – 11:30 a.m.

Operator Fundamentals.

Grand Ballroom 8

Session Chair: Patrick Berry (Entergy)

9:30 a.m.

Critical Parameter Control at Pilgrim, Randy Haislet, Steve Reininghaus (*Entergy Nuclear*)

9:50 a.m.

Computer-Based Simulator Critique and Evaluation Database, Timothy Borgen (*Xcel Energy*)

10:10 a.m.

Training for Safety in Nuclear Power Plants, Helmy Ragheb (*Univ of Ottawa*)

10:30 a.m.

Using DLAs and Neurofeedback for Improving Nuclear Operator Performance, Jeremy Morton, Ted Walker, Peter Freer (*OPG*)

10:50 a.m.

Focus on Improving Performance in the Area of Operator Fundamentals, Randal Martin, Sherrie Cotton (*Entergy*)

Engineering Training—I.

Grand Ballroom 7

Session Chair: Mike Desilets (Entergy)

9:30 a.m.

Education Program for the DOE Nuclear Energy Modeling and Simulation Hub, CASL, John Gilligan (*NCSU*)

9:50 a.m.

Nuclear Engineering Training and Knowledge Management at KAPL, Shaun F. Stasik (*KAPL*)

10:10 a.m.

Education and Training: Demonstration of Multimedia Course on Nuclear Reactors Physics, Javier Dies, Francesc Puig (*Technical Univ of Catalonia*)

10:30 a.m.

Breeding a New Generation of Engineers and Scientists through the Summer Nuclear Science Institutes for High School Students and Guidance Counselors, April Hutton-Moorer, Kenneth D. Lewis, Kara Beharry, Zheng Chang, Musa B. Danjaji, Kenneth C. Okafor, Caleb Lewis (*South Carolina State Univ*)

MONDAY, FEBRUARY 7, 2011, 11:30 a.m. – 1:00 p.m.

Conference Luncheon

Grand Ballroom 4

(Sponsored by Southern Nuclear Operating Company)

SPEAKER:

- William D. Magwood (*Commissioner, U.S. Nuclear Regulatory Commission*)
- Dave Igyarto (*Vice President, INPO*)

MONDAY, FEBRUARY 7, 2011, 1:00 p.m. – 2:45 p.m.

Initial Licensed Operator Training.

Grand Ballroom 6

Session Chair: Russ Coon (Exelon)

1:00 p.m.

Independent Review Panel Efforts to Improve NRC Initial License Examinations, Gregg W. Ludlam (*Exelon*)

1:20 p.m.

Implementation of the Industry Call to Action to Improve Initial Licensed Operator Success, Kerry Wright, Paul DiGiovanna (*INPO*)

1:40 p.m.

Teaming for Success in Initial Licensed Operator Training, Peter A. McSparran (*APS*)

Technical Sessions

2:00 p.m.

Predicting Senior Reactor Operator License Success by Using Advanced Selection Techniques, Cynthia DeVita-Cochrane (*The Westwind Group, Inc.*)

Nuclear Uniform Curriculum/Partnerships—I.

Grand Ballroom 7

Session Chair: Ann Winters (*INPO*)

1:00 p.m.

Implementation of the NUCP at Salem Community College, Peter Tocci, John Steiner (*PSEG*)

1:20 p.m.

Implementation of the NUCP at Chattanooga State, Renee Milner, Tim McGhee (*TVA*)

1:40 p.m.

Distance Learning and Nuclear Uniform Curriculum Program, John P. Lindsey (*Exelon*)

Online and Blended Learning—I.

Grand Ballroom 8

Session Chair: Gilbert Brown (*UMASS, Lowell*)

1:00 p.m.

Innovations and Experience in Distance Learning for Nuclear Workers, Charles V. Snead (*Excelsior Coll*), Chriss R. Miller (*Millstone Power Station*), Andrew Wheeler (*Excelsior Coll*)

1:20 p.m.

A 3-D Virtual World for Distance Learning in Nuclear Science and Technology, Robert C. Amme, Jeffrey L. Corbin (*Univ of Denver*)

1:40 p.m.

Online Education and Prior Learning Assessment—Powerful Combination to Develop Degreed Workers, Scott A. Bates (*EPCE*), Jane LeClair (*Excelsior Coll*)

2:00 p.m.

Nuclear Operations, Asynchronous Learning, and Software as a Service (SaaS), Dale Jennings (*Hyperspring LLC*), Ray Bayly (*Akxius Software*)

MONDAY, FEBRUARY 7, 2011, 2:45 p.m. – 3:00 p.m.

Refreshment Break

Grand Ballroom Foyer

MONDAY, FEBRUARY 7, 2011, 3:00 p.m. – 4:45 p.m.

Personnel Training, Qualification and Evaluation—I.

Grand Ballroom 8

Session Chair: Richard Coe (*TESC*)

3:00 p.m.

Task Performance Evaluation—Process or Confidence, Joe R. Waid (*APS*), Burl McCosh (*INPO*)

3:20 p.m.

Standardized Task Evaluation Process and Progress, Don Cullers (*EPRI*), Michael Desilets (*Entergy*), Burl McCosh (*INPO*)

3:40 p.m.

Scenario-Based Testing and Training, Tony Magi, Robert Boire (*L-3 Communications MAPPS Inc*)

Applications of Technology in Training.

Grand Ballroom 7

Session Chair: Jane LeClair (*Excelsior Coll*)

3:00 p.m.

Reinventing the Reel, Trace Belcher (*TWPC*)

3:20 p.m.

Reducing the Burden on Your Full Scope Simulator, George McCullough, Sr. (*GSE Systems*)

3:40 p.m.

Process and Management Improvement Using SharePoint, Gregory Maisel, Gerald Hollingsworth (*The Westwind Group*)

4:00 p.m.

Interactive-3D Virtual Environments—Integrated with Full Scope Simulators and Dynamic Plant Models, Michael K. Lerg (*GSE Systems Inc.*)

4:20 p.m.

Refueling Machine Simulator for Use in Training Fuel Handling Operators and Supervisors, Bernard Panfil (*Corys Thunder Inc.*)

MONDAY, FEBRUARY 7, 2011, 6:30 p.m. – 8:00 p.m.

Cash Bar Reception in the Expo

Grand Ballroom Foyer 5-8

(Appetizers Sponsored by *Exelon Nuclear*)

TUESDAY, FEBRUARY 8, 2011, 7:00 a.m. – 8:00 a.m.

Conference Breakfast

Grand Ballroom Foyer

(Sponsored by *Dominion Generation*)

TUESDAY, FEBRUARY 8, 2011, 8:00 a.m. – 9:45 a.m.

Engineering Training—II.

Grand Ballroom 8

Session Chair: Mike Robinson (BAPL)

8:00 a.m.

Future Workforce Training: Excelsior College's On-Line BSEET Degree, J. Antonakos, J. LeClair, C. Snead (*Excelsior Coll*)

8:20 a.m.

A Desktop Simulator for Nuclear Engineering Education, Larry R. Foulke, Steven P. Levitan, Samuel J. Dickerson, Jesse Randell (*University of Pittsburgh*), Anthony Pacella (*Carnegie Mellon University*), David Helling (*Westinghouse*)

8:40 a.m.

Nuclear Simulator Development and Use at Virginia Commonwealth University, Ross Anderson, Sama Bilbao y Leon, Gary Tepper (*Virginia Commonwealth Univ*)

9:00 a.m.

Advances in Nuclear Engineering and Health Physics Education at Idaho State University, Jason T. Harris, George Imel, Richard Brey (*Idaho State Univ*)

9:20 a.m.

Pre-College Engineering Education: NC State University's Nuclear Engineering Initiatives, Lisa Marshall, Mohamed Bourham (*NCSU*)

Nuclear Uniform Curriculum/Partnerships—II.

Grand Ballroom 7

Session Chair: Pete Tocci (PSEG)

8:00 a.m.

Partnership for Fundamentals Training: Augusta Technical College and Southern Nuclear, Jo Anne Robinson (*Augusta Technical College*), Robert M. Collins (*Southern Nuclear Company*)

8:20 a.m.

ARRA and Nuclear Uniform Curriculum Assists Technicians Accelerate Training, David Deal, Wade Miller, Tracy P. Pierner (*Aiken Technical College*)

8:40 a.m.

Successful Educational Partnership Expands to Bridge Associate Degree Programs with Engineering Degree Programs, James H. Auld (*Florida Power & Light Company*), Jose Farinos (*Indian River State College*), Gilbert Brown (*University of Massachusetts Lowell*)

9:00 a.m.

Nuclear Uniform Curriculum Lessons Learned from the Linn State and Exelon Partnership, Bruce Meffert (*Linn State Technical Coll*), John Lindsey (*Exelon Corp.*)

Nuclear Energy Personnel Training, Qualification and Evaluation—II—Panel.

Grand Ballroom 6

Session Chair: Bill Hendy (PG&E)

In pursuit of its mission to protect people and the environment from radiation hazards, the NRC and entire nuclear energy community have long recognized the positive direct link between training and education and the safe operation of nuclear facilities. The need for well trained, qualified workforce ready replacements of the current nuclear energy environment has never been greater. The need has been compounded by the proposed construction of new plants over the next decade which will create new jobs and the demand for added numbers of qualified personnel.

Training strategies of the past will not be enough. Newer strategies and partnerships for personnel training will have to be created implemented and maintained to effectively manage the growth of nuclear energy. The pooling of expertise, collaborative training and education efforts and funding and sharing lessons learned must be part of a global strategy to produce a mobile, highly trained and educated workforce for supporting the nuclear renaissance domestically and world wide.

PANELISTS:

- Richard Holman (*INL*)
- Ronald Bruno (*TVA Nuclear*)
- Marcus Tillery (*Thomas Edison State College*)
- Ray Grosshans (*INL*)
- John Gutteridge (*NRC*)

TUESDAY, FEBRUARY 8, 2011, 9:45 a.m. – 10:00 a.m.

Refreshment Break

Grand Ballroom Foyer

TUESDAY, FEBRUARY 8, 2011, 10:00 a.m. – 11:45 a.m.

International Perspectives.

Grand Ballroom 6

Session Chair: Lynn Walter (PG&E)

10:00 a.m.

Lessons Learned from Building a UK Nuclear Accreditation Model, Dave Drury (*EDF*)

10:20 a.m.

Directorate of Power Reactor Regulation (DPRR) Site Inspector Training, Peter Gilmour (*Canadian Nucl Safety Comm*)

10:40 a.m.

The Gulf Nuclear Energy Infrastructure Institute—A New Approach to Nuclear "3S" Education, John Poston (*Texas A&M, Presenter*), Adam D. Williams, Amir Mohagheghi (*SNL*), Philip Beeley (*Khalifa University of Science, Technology and Research*), David Boyle (*Nuclear Security Science and Policy Institute, Texas A&M University*)

Technical Sessions

11:00 a.m.

Capacity Building in Support of the UAE Nuclear Energy Program, Mariam Al Mahmoud (*Federal Authority for Nuclear Regulation*)

11:20 a.m.

Emirates Nuclear Energy Corporation—Key Perspectives, Joseph Jensen (*Emirates Nuclear Energy Corp*)

Online and Blended Learning—II.

Grand Ballroom 7

Session Chair: Mike Desilets (*Entergy*)

10:00 a.m.

Creating Reusable Content for Nuclear Training—Implementing an Industry Learning Content Management System, James R. Wood (*INPO*)

10:20 a.m.

Methodology and Classification of Objectives for Use in a Learning Content Management System (LCMS), Kathryn T. Hallman (*INPO*)

10:40 a.m.

Transition of Maintenance Initial Training to a Blended Learning Format, John W. Bowers (*Exelon*)

11:00 a.m.

Distance Learning Training, Fleet Maintenance Initial Training Program, Mark Dolle, Kenneth Mack (*Constellation*)

11:20 a.m.

IAEA Nuclear Knowledge Management Activities and E-Learning in Support of Newcomer Countries, Yanko L. Yanev (*IAEA*)

TUESDAY, FEBRUARY 8, 2011, 11:45 a.m. – 1:00 p.m.

CONTE Awards Luncheon

Grand Ballroom 4

(Sponsored by *Entergy Nuclear*)

SPEAKER:

Charles Pardee (*Chairman, National Nuclear Accrediting Board*)

PRESENTER OF ROBERT L. LONG TRAINING EXCELLENCE AWARDS:

Dr. Richard Coe

ROBERT L. LONG TRAINING EXCELLENCE AWARD RECIPIENTS:

- Ann D. Winters (*INPO*)
- Arthur H. Friedman (*Exelon Nuclear*)
- Timothy McGhee (*Chattanooga State Community College*)
- Renee C. Milner (*TVA*)
- John Steiner (*Salem Community College*)
- Peter Tocci, Jr. (*PSEG*)

TUESDAY, FEBRUARY 8, 2011, 1:00 p.m. – 2:45 p.m.

Nuclear Uniform Curriculum/Partnerships—III.

Grand Ballroom 7

Session Chair: Ann Winters (*INPO*)

1:00 p.m.

UK University—Industry Collaboration for Nuclear Education and Training, John W. Roberts, Andrew P. Clarke (*Univ of Manchester*)

1:20 p.m.

Post-Secondary Education and Utility Partnership in Ontario, George Berezna (*Univ of Ontario Inst of Tech*)

1:40 p.m.

MINA: A Venture of Nuclear Education and Training in Spain, Luis E. Herranz, Juan C. Garcia, Susana Falcón (*CIEMAT*)

2:00 p.m.

ENEN's Challenges in Response to the Industry and Regulatory Needs, Joseph Safieh (*CEA/INSTN*), Peter Paul De Regge, Ryoko Kusumi (*ENEN*)

Leadership Development/Performance Improvement—I.

Grand Ballroom 8

Session Chair: Dave Helling (*Westinghouse*)

1:00 p.m.

Dominion Nuclear Leadership Academy, Ashley Royal (*Dominion Generation*)

1:20 p.m.

The Integration of the Nuclear Excellence Model and the NextEra Energy Leadership Academy, Daniel G. Roy (*NextEra Energy, Inc.*)

1:40 p.m.

“What it Means to be a Nuclear Training Leader” Academy Training Program Leader Development, Julie Sickle (*Constellation Energy Nuclear Group*)

Reactor Operator Licensing Focus Group—Panel

Grand Ballroom 6

Session Chair: Michael Junge (*NRC*)

Reactor Operator Licensing Update, Jack McHale (*NRC*)

Reactor Update, Michael Junge (*NRC*)

Cold Licensing Process, Phil Polefrone (*Unistar*)

Update on the K and A Catalog for the AP1000, Charles Sawyer (*Duke*)

Update on the K and A Catalog for the ABWR, Glenn Macdonald (*STP*)

Future Plans for the New Reactor Operator Licensing Focus Group, Charles Sawyer (*Duke*)

TUESDAY, FEBRUARY 8, 2011, 2:45 p.m. – 3:00 p.m.

Refreshment Break

Grand Ballroom Foyer

TUESDAY, FEBRUARY 8, 2011, 3:00 p.m. – 4:45 p.m.

Training for Excellence in Human Performance—Panel.

Grand Ballroom 7

Session Chair: Terry Williams (TMW Consulting)

This panel will describe developments, initiatives and issues focused on promoting human performance excellence within the nuclear industry. In the past 18 months, a number of significant operational events revealed unacceptable weaknesses in important barriers to sustained high levels of nuclear safety. SOER 10-2, Engaged Thinking Organization focuses on organizational and leadership shortfalls which allowed weaknesses to go unrecognized or uncorrected within the culture of our power plants.

PANELISTS:

- Terry Williams (*TMW Consulting*)
- Brian Baskette (*INPO*)
- Patricia Wilson (*PAW Professional Services*)
- Frank Tsakeres (*NWI Consulting*)

New Plant.

Grand Ballroom 8

Session Chair: Renee Milner (TVA)

3:00 p.m.

Initial Accreditation—Industry Update, Michael Llewellyn (*INPO*)

3:20 p.m.

Training Strategy for Nuclear New Build in the United Kingdom, George Borlolan (*EDF*)

3:40 p.m.

Initial Accreditation—Industry Update, Glenn Macdonald (*STP Electric Generating Station*)

4:00 p.m.

Instructor and Candidate Training Partnership: GSE and Southern Nuclear, Leon Ray (*Southern Nuclear Co*), Charles Kelly (*GSE Systems Inc*)

TUESDAY, FEBRUARY 8, 2011, 5:00 P.M. – 6:30 P.M.

Workshop: Coaching for Success

Grand Ballroom 6

Workshop Facilitators: Keith Baudin, Rich Meiss (The Bob Pike Group)

In a 90-minute interactive workshop, The Bob Pike Group will deliver practical, immediately applicable coaching techniques.

Content will include:

- I. Training May Not Be the Answer
 - A. Performance Solutions Cube
 - B. Transfer of Training Matrix
 - C. Managers Influence on Learning
 - D. Costs of Not Coaching
- II. Becoming a Better Coach
 - A. The 4G Process and Coaching roles
 - B. Effective Coaching Skills
 - a. Asking better questions
 - b. Giving better feedback
 - c. Flexible, style-based communications

TUESDAY, FEBRUARY 8, 2011, 6:00 p.m. – 7:30 p.m.

Cash Bar Reception in the Expo

Grand Ballroom Foyer 5-8

(Appetizers Sponsored by NextEra Energy, Inc.)

WEDNESDAY, FEBRUARY 9, 2011, 7:00 a.m. – 8:00 a.m.

Conference Breakfast

Grand Ballroom Foyer

WEDNESDAY, FEBRUARY 9, 2011, 8:00 a.m. – 9:45 a.m.

Nuclear Uniform Curriculum/Partnerships—IV.

Grand Ballroom 6

Session Chair: Peter Caracappa (RPI)

8:00 a.m.

Corporate and Higher Education Learning Collaboration: Energy Utility Finds Beneficial Justification for Employee Educational Assistance, Thomas Devine, Richard P. Coe (*Thomas Edison State Coll*)

8:20 a.m.

Community Involvement of Scientists in Carlsbad, NM: A Unique Perspective, Jean F. Lucchini (*LANL*), D. Baker, J. Monk (*New Mexico State Univ*), D. T. Reed (*LANL*), G. Mulholland (*New Mexico State Univ*)

8:40 a.m.

Operations Training Program: Quad Cities and UW Nuclear Reactor Lab, Robert Agasie, Michelle M. Blanchard (*Univ of Wisconsin, Madison*), Jeremy Bries (*Exelon*)

9:00 a.m.

New Models for Nuclear Energy Educational Partnerships in the U.S., John Gilligan (*NEUP/NCSU*), Marsha Lambregts (*INL*)

Technical Sessions

Leadership Development—II.

Grand Ballroom 7

Session Chair: Julie Sickle (*Constellation*)

8:00 a.m.

Trainers as Leaders, David Helling (*Westinghouse*)

8:20 a.m.

SQRPT: A Leader's Tool for Effective Reading Comprehension, Critical Thinking, and Communication Skills, Pierre Dube, Lynn Walter (*PG&E*)

8:40 a.m.

Developing Strategies to Increase the Leadership Pipeline, Lisa Brattin (*INPO*)

9:00 a.m.

The IAEA School of Nuclear Energy Management, Yanko Yanev (*IAEA*)

9:20 a.m.

Developing Tomorrow's Leaders Today, Randall K. Edington (*APS*)

WEDNESDAY, FEBRUARY 9, 2011, 9:45 a.m. – 10:00 a.m.

Refreshment Break

Grand Ballroom Foyer

WEDNESDAY, FEBRUARY 9, 2011, 10:00 a.m. – 12:00 p.m.

Workforce Planning/Recruiting.

Grand Ballroom 6

Session Chair: Richard Holman (*INL*)

10:00 a.m.

Will the New Plant Workforce be in Place in Time?, John Lindsey (*Exelon Nuclear Partners*), Ed Baker (*ScottMadden Inc*)

10:20 a.m.

Implementing a Two-State Nuclear Workforce Development Strategy, Mindy Mets (*SRS Community Reuse Org*)

10:40 a.m.

Russia Prepares for Next Generation Nuclear Energy Workforce, Irina A. Vorobieva (*Obninsk State University for Nuclear Power Engineering*)

11:00 a.m.

Leveraging Knowledge Management to Achieve Informal Learning at the NRC, Jody Hudson (*NRC*)

11:20 a.m.

A Course Development Project for Hardware Diversity and Software Reliability Education for Digital Instrumentation and Control of Nuclear Power Plant, Charles Kim, Peter Keiller (*Howard Univ*)

Instructor Training.

Grand Ballroom 7

Session Chair: Pete Knoetgen (*INPO*)

10:00 a.m.

Addressing an Industry Need Through Blended Learning—Instructor Certification, Don Crump (*INPO*)

10:20 a.m.

Benefits of a Community of Practice for Instructors and Instructional Technologists in the Nuclear Industry, Dea Holman (*INPO*)

10:40 a.m.

Instructor Development During High Volume New Reactor Training, William W. Thompson (*TVA*)

WEDNESDAY, FEBRUARY 9, 2011, 12:00 p.m. – 1:00 p.m.

Closing Conference Luncheon

Grand Ballroom 4

(Sponsored by *Constellation Energy Nuclear Group*)

SPEAKERS:

- Krista Terry (*Assistant Professor, Appalachian State Univ*)
- Dr. Harold Blackman (*Director, Center for Advanced Energy Studies, INL*)

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American Nuclear Society: 2011 ANNUAL MEETING

June 26-30, 2011
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The Westin Diplomat



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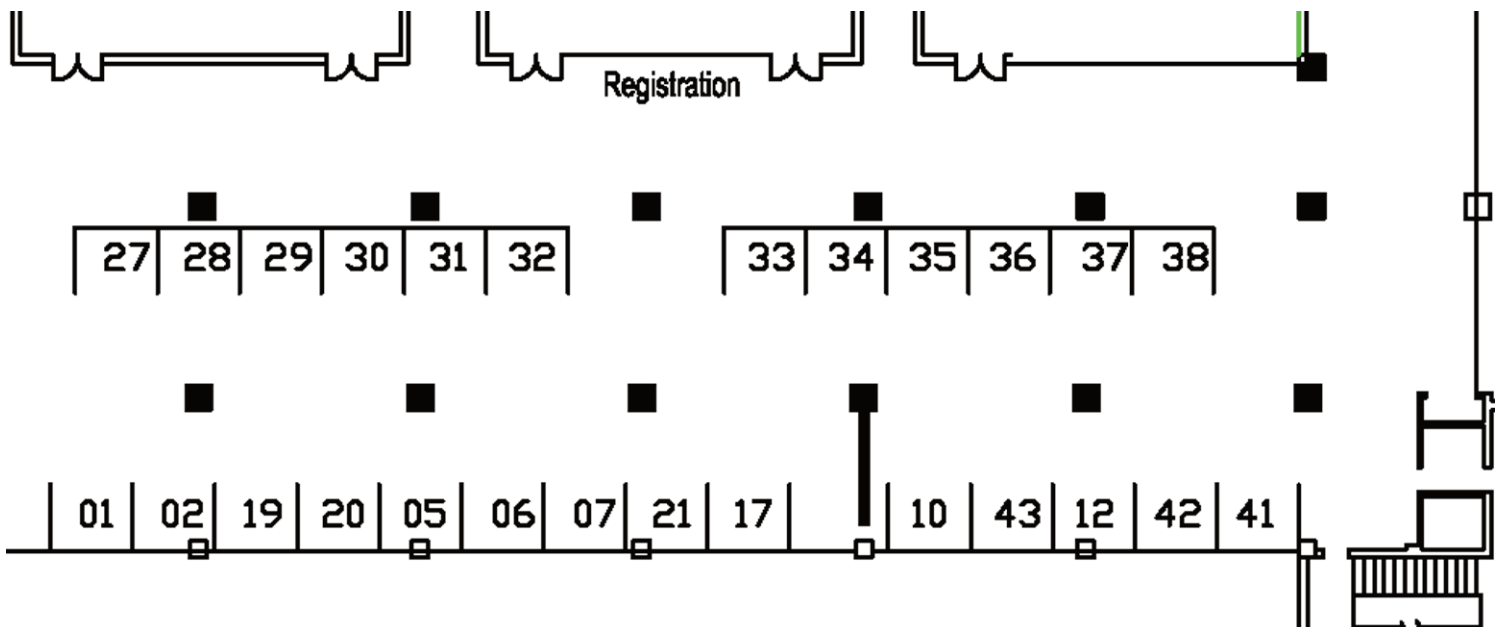
We would like to extend a special thanks to the following organizations who have made an outstanding contribution to the success of the

**CONFERENCE ON NUCLEAR TRAINING AND EDUCATION (CONTE 2011)
VENDOR TECHNOLOGY EXPO**

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Bismarck State College National Energy Center of Excellence	36	Linn State Technical College/Nuclear Technology	28
The Bob Pike Group	42	NWI Consulting, LLC	35
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EXHIBIT FLOOR PLAN: GRAND BALLROOM FOYER 4, 5, & 6

Hyatt Regency Jacksonville Riverfront Hotel
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2011 NATIONAL MEETINGS

DATE	TITLE	LOCATION
Jun 26-30, 2011	2011 ANS ANNUAL MEETING	Hollywood, Florida <i>The Westin Diplomat</i>
Oct 30-Nov 3, 2011	2011 ANS WINTER MEETING AND NUCLEAR TECHNOLOGY EXPO	Washington, DC <i>Omni Shoreham Hotel</i>

2011 TOPICAL AND OTHER IMPORTANT MEETINGS

DATE	TITLE	LOCATION
Feb 6-9, 2011	CONTE: Conference on Nuclear Training and Education and Vendor Technology Expo	Jacksonville, Florida <i>Hyatt Regency Jacksonville Riverfront Hotel</i>
Feb 7-10, 2011	Nuclear and Emerging Technologies for Space 2011 (NETS 2011)	Albuquerque, New Mexico <i>Albuquerque Marriott</i>
Mar 13-17, 2011	International Topical Meeting on Probabilistic Safety Assessment and Analysis (PSA 2011)	Wilmington, North Carolina <i>Hilton Wilmington Riverside Hotel</i>
Apr 3-7, 2011	Tenth International Topical Meeting on Nuclear Applications of Accelerators (AccApp '11)	Knoxville, Tennessee <i>Hilton Knoxville</i>
Apr 10-14, 2011	International High-Level Radioactive Waste Management	Albuquerque, New Mexico <i>Albuquerque Marriott</i>
May 15-19, 2011	15th International Conference on Emerging Nuclear Energy Systems	San Francisco, California <i>Hyatt at Fisherman's Wharf</i>
Aug 7-10, 2011	Third International Joint Topical Meeting on Emergency Preparedness and Response and Robotics and Remote Systems	Knoxville, Tennessee <i>Marriott Hotel</i>
Aug 14-17, 2011	Utility Working Conference and Vendor Technology Expo	Hollywood, Florida <i>The Westin Diplomat</i>