

**ADVANCED REACTORS TECHNICAL SUMMIT V
&
TECHNOLOGY TRAILBLAZERS SHOWCASE
FEBRUARY 20-22 2018
TEXAS A&M**

Final Detailed Advance Agenda

Tuesday, February 20

MILLENNIAL NUCLEAR CAUCUS, CAREER FAIR & WELCOME RECEPTION

2:00 pm – 3:30 pm

MILLENNIAL NUCLEAR CAUCUS

Texas A&M Memorial Student Center (MSC) Room 2401
275 Joe Routh Blvd #2240
College Station, TX 77843

4:30 pm – 6:00 pm

CAREER FAIR

Legacy Club at Texas A&M's Kyle Field
756 Houston Street
College Station, TX

6:00 pm – 7:30 pm

WELCOME RECEPTION

Legacy Club at Texas A&M's Kyle Field
756 Houston Street
College Station, TX

Wednesday, February 21

PLENARY PROGRAM

8:00 am – 5:30 pm

The Stella Hotel
4100 Lake Atlas Drive
Bryan, TX

8:00 am WELCOME

Dr. M. Katherine Banks
Vice Chancellor and Dean of Engineering
Director, Texas A&M Engineering Experiment Station
University Distinguished Professor
Harold J. Haynes Dean's Chair Professor
Texas A&M University

Mr. David Blee
Executive Director
U.S. Nuclear Infrastructure Council

8:20 am I. STAGE SETTERS

U.S. DEPARTMENT OF ENERGY KEYNOTE

The Honorable Mark W. Menezes
Under Secretary of Energy
U.S. Department of Energy

8:55 am SPECIAL ADDRESS

The Honorable Stephen Burns
Commissioner
U.S. Nuclear Regulatory Commission

9:30 am INTERNATIONAL KEYNOTE

The Honorable William D. Magwood, IV
Director-General
Nuclear Energy Agency (NEA)

10:05 am BREAK

10:25 am II. INDUSTRY PERSPECTIVE

Mr. John L. Hopkins
Chairman and Chief Executive Officer
NuScale Power, LLC.

11:00 am III. TRAILBLAZERS UPDATE I

Energy Multiplier Module (EM²)

Dr. Christina Back
Vice President, Nuclear Technologies and Materials
General Atomics

Xe-100 - Pebble-Bed High Temperature Gas-cooled Reactor (HTGR)

Mr. Harlan Bowers
President
X-energy

11:40 am LUNCH

12:40 pm IV. TRAILBLAZERS UPDATE II

Integral Molten Salt Reactor (IMSR[®])

Mr. Simon Irish
Chief Executive Officer
Terrestrial Energy

Fluoride Salt Cooled, High Temperature Reactor (FHR)

Dr. Per Peterson
Chief Nuclear Officer
Kairos Power

1:20 pm V. FORGING GOVERNMENT & INDUSTRY PARTNERSHIPS

PANEL: DOE, National Laboratory and International Initiatives

Hon. Pete Lyons – Moderator
Former Assistant Secretary for Nuclear Energy

Dr. Rita Baranwal
Director, Gateway for Accelerated Innovation in Nuclear
Idaho National Laboratory

Dr. John Wagner
Associate Lab Director - Nuclear S&T
Idaho National Laboratory

Dr. Hussein Khalil
Director, Nuclear Energy and Security Program Distinguished
Fellow
Argonne National Laboratory

Dr. Alan S. Icenhour
Associate Laboratory Director
Nuclear Science and Engineering Directorate
Oak Ridge National Laboratory

2:50 pm BREAK

3:05 pm VI. TRAILBLAZERS UPDATE III

PRISM (Power Reactor Innovative Small Modular) Reactor

Mr. Patrick Looney
Vice President, Advanced Reactors & Services
GE Hitachi Nuclear Energy

Innovative Advanced Test Reactor

Mr. Philip Moor
President
High Bridge Energy Development

3:45 pm VII. CRITICAL PATH ISSUES I

PANEL: Overarching Technical Issues I

- Design, Engineering & Management
- Materials & Testing
- Bridging the Gap

Mr. David Blee – Moderator
Executive Director
U.S. Nuclear Infrastructure Council

Dr. John Gilleland
Chief Technical Officer
TerraPower LLC

Dr. Ron Faibish
Senior Director of Business Development
General Atomics

Dr. Robert Hill
Technical Director, Advanced Nuclear Energy Systems
Argonne National Laboratory

Dr. Yassin A. Hassan
Department Head, Nuclear Engineering
Sallie & Don Davis '61 Professor in Nuclear Engineering
Texas A&M University

5:15 pm End of Day One Plenary Program

ADVANCED REACTORS AWARDS RECEPTION

6:00 pm – 8:00 pm

George Bush Presidential Library and Museum at Texas A&M University
1000 George Bush Dr W
College Station, TX

Thursday, February 22

PLENARY PROGRAM

8:00 am – 3:00 pm

The Stella Hotel
4100 Lake Atlas Drive
Bryan, Texas

8:00 am VIII. TRAILBLAZERS UPDATE IV

Westinghouse SMR, LFR & eVinci Micro Reactor

Mr. Ken Canavan

Chief Technology Officer
Westinghouse Electric Company

Traveling Wave Reactor (TWR) & Molten Chloride Fast Reactor (MCFR)

Dr. John Gilleland

Chief Technical Officer
TerraPower LLC

8:40 am VIX. CRITICAL PATH ISSUES II

PANEL: Overarching Technical Issues II

- High Performance Computing
- Modeling & Simulation
- Advanced Fuels

Mr. Jeremy Harrell – Moderator

Managing Director – Policy
ClearPath

Mr. David Fletcher

Head of Business Development
Urenco and U-Battery

Mr. Jeff Whitt

Director, Business Development
Contracts & Services - North America
Fuel Commercial & Customer Center
Framatome

Dr. Jean C. Ragusa

Professor, Department of Nuclear Engineering
Associate Director, Institute for Scientific Computation (ISC)
Texas A&M University

10:00 am BREAK

10:15 am X. TRAILBLAZERS UPDATE V

Molten Chloride Salt Fast Reactor (MCSFR)

Dr. Edward Pheil

Chief Technology Officer & Co-Founder
Elysium Industries

Accelerator Driven Subcritical Reactor (ADSR)

Dr. Rolland Johnson

President
Muons, Inc.

10:55 am XI. LICENSING MODERNIZATION

PANEL: Moving the Licensing Paradigm Forward

- NRC Initiatives
- Congressional Initiatives
- Industry Priorities
- Canadian Regulatory Developments

Hon. Jeffrey Merrifield – Moderator

Former Commissioner, USNRC

&

Chairman, USNIC Advanced Reactors Task Force

&

Partner, Pillsbury Winthrop Shaw Pittman

Mr. John Monninger

Director, Advanced Reactors
Office of New Reactors
U.S. Nuclear Regulatory Commission

Mr. Ramzi Jammal

Executive Vice-President and Chief Regulatory Operations Officer
Regulatory Operations Branch, Canadian Nuclear Safety
Commission

Dr. Jennifer Uhle

Director of Reactor Safety Programs
Jensen Hughes

12:20 pm LUNCH PROGRAM

XII. TRAILBLAZERS UPDATE VI

Nuclear Hybrid Gas Reactor

Mr. Michael Keller

President and CEO
Hybrid Power Technologies, LLC

NuGen Engine

Mr. Steve Rhyne
Founder and CEO
NuGen, LLC

1:20 pm XIII. ADVANCED REACTORS DEPLOYMENT

Mr. David Blee – Moderator

Executive Director
U.S. Nuclear Infrastructure Council

Mr. Charles Hess

Vice President
High Bridge Associates

Mr. Irfan Ali

Managing Director
Energy Innovation Reform Project (EIRP)

Dr. Bronwyn Hyland

Program Manager, Small Modular and Advanced Reactor
Technologies
Canadian Nuclear Laboratories

Dr. Andrew Sowder

Technical Executive
Advanced Nuclear Technology
Electric Power Research Institute (EPRI)

Dr. Ron Faibish

Senior Director of Business Development
General Atomics

2:45pm CLOSING REMARKS & ADJOURN

OPTIONAL TOURS

3:00 – 5:00 pm

Participants of the Advanced Reactors Technical Summit V & Showcase will have the opportunity to take part in one of the optional tours:

1. Texas A&M's Nuclear Science Center's TRIGA Reactor; *
2. Thermal Hydraulic Research Laboratory;
3. Fuel Cycle and Materials Laboratory

* **Please note:** *The NSC's TRIGA Reactor tour is fully subscribed.* If you would like to be put on the waiting list please email caleb.ward@usnic.org.