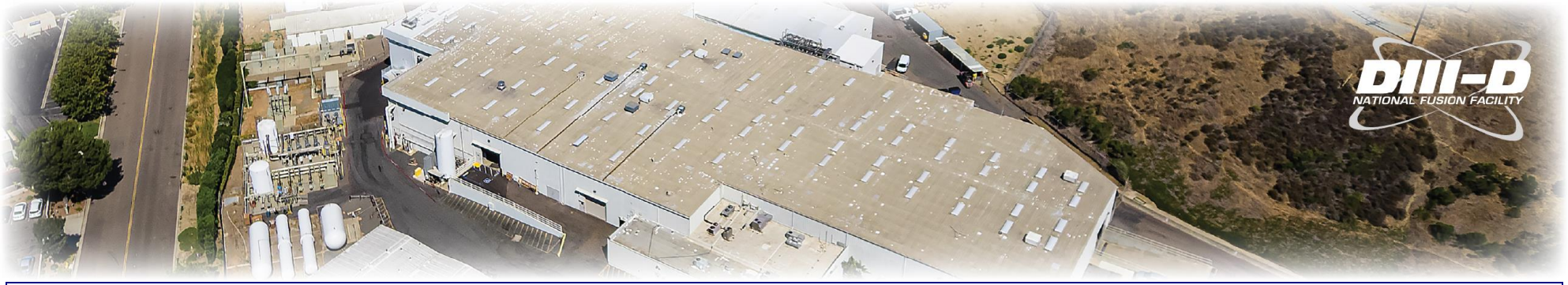


DIII-D Industry Event Day
Friday, August 21, 2026

7:30-8:00 **Tour Participants** pick up badges at G34 gate/sign-in at G34; 3483 Dunhill Street, San Diego, CA 92121
8:00-8:45 Tour of DIII-D Facility
8:45-9:00 Shuttle/Drive to Main Campus

8:30-9:00 **Non-Tour Participants** Arrive Main Gate to Check-in and Collect Badge; 3550 General Atomics Court, San Diego, CA 92121

SESSION 1: WELCOME & INTRODUCTION TO DIII-D NATIONAL FUSION FACILITY, G07-217

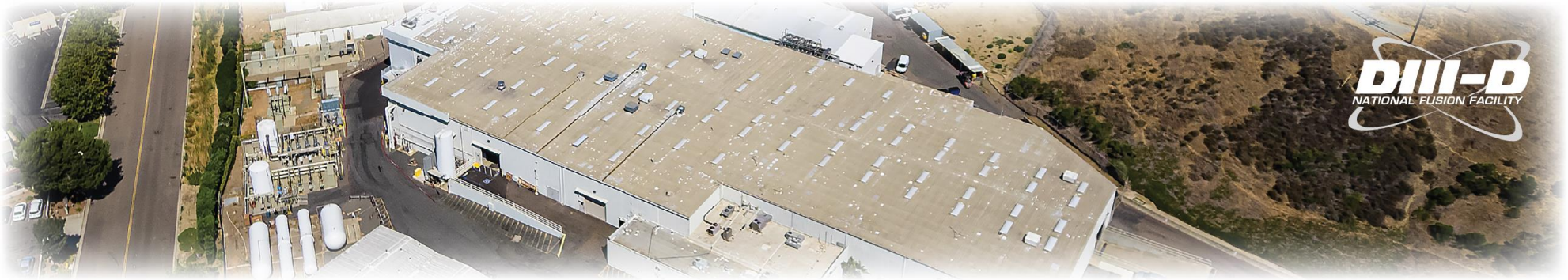
(*Remote participation available*)

TIME	TOPIC	PRESENTER
9:00 - 9:15	DIII-D's Role in the Fusion Plan and Capabilities	Richard Buttery (Director of DIII-D)
9:15 - 9:30	Commercial Progress Made Through Engagement with DIII-D and Industry Event Day	Suk-Ho Hong (DIII-D Technology Outreach Coordinator)

SESSION 2: US FUSION PROGRAM AND LANDSCAPE, G07-217

(*Remote participation available*)

TIME	TOPIC	PRESENTER
9:30 - 9:45	US Fusion Strategy and Path to Fusion	Troy Carter (ORNL)
9:45 - 10:00	Private Fusion Industry Landscape and Supply Chain Business Opportunities	Caroline Anderson (FIA)
10:00 - 10:15	Public-Private Partnerships: Non-proprietary and Proprietary Engagement with DIII-D	David Pace (General Atomics)
10:15 - 11:15	*Coffee Break / Cross Link / Poster Session*	



SESSION 3: CURRENT & UPCOMING CAPABILITIES ENABLING COMMERICAL ADVANCES, G07-217

(*Remote participation available*)

TIME	TOPIC	PRESENTER
11:15 - 11:30	High-performance Computing and AI/ML at DIII-D, including work with the American Science Cloud and Genesis Mission	Akshay Deshpande (General Atomics)
11:30 - 11:45	Materials Testing at DIII-D	Florian Effenberg (PPPL)
11:45 - 12:00	Opportunities in Negative Triangularity Campaign	Filippo Scotti (LLNL)
12:00 - 1:00	*Lunch / Cross Link / Poster Session*	

SESSION 4: LIGHTNING TALKS FROM FUSION COMPANIES, SUPPLIERS, AND RESEARCHERS, G07-217

(*Remote participation available*)

TIME	TOPIC	PRESENTER
1:00 - 2:30	Lightning Talks 1-17	See Table 1
2:30 - 3:00	*Coffee Break / Cross Link*	

SESSION 5: LIGHTNING TALKS FROM FUSION COMPANIES, SUPPLIERS, AND RESEARCHERS, G07-217

(*Remote participation available*)

TIME	TOPIC	PRESENTER
3:00 - 4:30	Lightning Talks 18-32	See Table 2

SESSION 6: PARTICIPANT DISCUSSION, G07-217

(*Remote participation available*)

TIME	TOPIC	MODERATOR
4:30 - 5:00	Discussion on Industry Needs, Challenges, and Opportunities	Richard Buttery (Director of DIII-D)
5:00 - 5:15	Feedback / Cross Link / Adjourn	

5:30 - 7:30

SOCIAL EVENT: New English Brewery 11545 Sorrento Valley Rd #305, San Diego, CA 92121

TABLE 1. SESSION 4: LIGHTNING TALKS 1-17
Topics: Design Overviews, Plasma-Material Interactions, Materials Science, Heating and Current Drive

Name	Organization	Title
Brian Grierson	General Atomics	Opportunity to Accelerate Fusion Blanket Development on the Planned Blanket Component Test Facility
Oscar Conroy	Tibidabo Scientific	Tibidabo Scientific Industries: Tibidabo Group Application Portfolio
Jerome Guterl	OpenStar Technologies	Derisking and Enabling Durable High-Temperature Plasma-Facing Components in Levitated Dipole Fusion Reactors
Brian Victor	Helion Energy	Introduction to Helion
Angelica Ottaviano	Thea Energy, Inc.	Overview of Thea Energy
Do Yoon Kim	VITZRONEXTECH Co., Ltd.	Engineering and Manufacturing of Tungsten Plasma-Facing Components at VITZRONEXTECH
Florian Effenberg	Princeton Plasma Physics Laboratory	Lithium and Boron Strategies for Reactor-Relevant Plasma-Facing Components and Edge Control
Fabiola Fuzy	Dunlee	Plasma-Facing Materials
Erick Martinez Loran	University of California San Diego	Renewable Pebble Aggregate Divertor Concept
Hennrick Schmidt	Plansee USA LLC	Refractory Metals for Fusion Energy Applications
Mykola Ialovega	GenF	Synergy between Plasma-Material Interactions R&D in Inertial Confinement Fusion and Magnetic Confinement Fusion
Robert Duncan	Texas Tech University	Quantum Enhancement of Energetic Nucleonics (QuEEN)
Erich Neubauer	RHP-Technology GmbH	Material Innovations in High-Tech Industries
Afsaneh Rabiei	North Carolina State University	Composite Metal Foam for Fusion Energy Systems
Monica Blank	Microwave Power Products, Inc.	High-Power and High-Frequency Gyrotrons at MPP
Nathan Lader	THALES	THALES: Microwave & Imaging Sub-Systems

TABLE 2. SESSION 5: LIGHTNING TALKS 18-34
Topics: Diagnostics, AI/ML, and Modeling

Name	Organization	Title
Paul Schroeder	General Atomics	General Atomics Diagnostics Development Group: Turn-key Diagnostics Catalog
Dan Xiang	X-wave Innovations, Inc.	High-Temperature, Irradiation-Hardened Ultrasonic Temperature Sensors for Fusion Power Plants
Dmitri Orlov	Next Step Fusion Inc.	Simulation, Control, and Diagnostics – Built with DIII-D, Ready for Industry
Daniel Finkenthal	Palomar Scientific Instruments	Building the Fusion Energy Supply Chain: Palomar Scientific Instruments
Rob Duncan on behalf of Noah D'Amico	BlankSlate Innovation	BlankSlate Innovation (BSI) Fusion Diagnostics
Sam White	Scintacor	Scintacor: The Centre of Scintillation
Tom Gibbs	NVIDIA	Digital Twins to Support Fusion Device Design and Operation
Jeff Shainline	Great Sky	Superconducting Neural Networks for High-Speed Fusion Diagnostics and Control
David Eldon	General Atomics	Designing and Validating Control Before a Fusion Device Is Built: Using Predictive Models and DIII-D Experiments to Reduce Control Risk
Yilun Zhu	University of California, Davis	World Models AI for Real-Time Monitoring and Control for Fusion Long-Pulse Disruption-Free Operation
Val Izzo	Fiat Lux	Plasma Physics Computations for Fusion Energy Applications
Jason Tadros	Intelligent Simulation LLC	Sub-Millisecond Deterministic Edge-Compute for Tokamak Disruption Avoidance
Fabio Andrijauskas	University of California San Diego	Architectural and Technical Mechanics Underlying Seamless Data Interactions between DIII-D and the Open Science Data Federation
Alex Zarta	University of California, Irvine	Surrogate Gyrokinetic Toroidal Code
Xueqiao Xu	Lawerence Livermore National Laboratory	Validated Boundary Physics for Fast Prediction and Control: ABOUND/ELMO – From DIII-D Validation to Device-Relevant Operating Decisions
Zhe Bai	Berkeley Lab	Toward an AI Plasma Digital Twin: Multi-scale Modeling, Dynamic Transitions, and Real-Time Reconstruction in DIII-D