

DOE Workshop on Fusion Energy Development via Public-Private Partnerships

Capital Hilton, Washington DC

June 1-3, 2022

Wednesday, June 1, 2022

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| 8:00 - 8:55 AM | Registration/Breakfast <i>Plenary Session – Federal A/B</i> |
| 8:20 - 8:55 AM | Fusion Energy 101 (optional for interested attendees) Arturo Dominguez, PPPL Tammy Ma, LLNL |
| 8:55 – 9:00 AM | Workshop Logistics Julie Webber, ORISE |
| 9:00 - 9:15 AM | Welcome David Turk, Deputy Secretary of Energy (Virtual-live) Geraldine Richmond, Under Secretary for Science and Innovation (Virtual-live) Asmeret Asefaw Berhe, Director, Office of Science |
| 9:15 – 9:30 AM | Workshop Introduction and Objectives Scott Hsu, DOE Lead Fusion Coordinator, Office of the Under Secretary for Science and Innovation |
| 9:30 - 10:15 AM | Lightning Round: Perspectives from DOE offices (10 minutes per talk + 5 minutes joint Q&A) James Van Dam, Associate Director, SC Fusion Energy Sciences Yasmin Yacoby, Economic Impact & Diversity Sam Wurzel, Technology-to-Market Advisor, ARPA-E Ann Satsangi, Program Manager, NNSA |
| 10:15 - 10:30 AM | Public-Private Partnerships Require an Overarching Framework to Establish our Working Space and DEIA* Climate then “Level Up” on to Innovation, Royce James, USCG Academy (12 + Q&A) *Diversity, Equity, Inclusion, and Accessibility |
| 10:30 – 10:45 AM | Break |
| 10:45 – 11:45 AM | Lightning Round: Technical Performer Perspectives (20 minutes per group including Q&A) Privately Funded Fusion Companies, Andrew Holland & Bob Mumgaard National Laboratories, Jon Menard, Mickey Wade, Tammy Ma, Dave Babineau Universities, Saskia Mordijck, Amy Wendt & Aditi Verma |
| 11:45 - 12:25 AM | Lightning Round: Technical Policy Challenges (12 minutes per talk + joint Q&A) Regulatory and Waste Disposition, Amy Roma Nuclear Security and Safeguards, Rob Goldston (virtual-live) Fuel Supply, Richard Pearson (pre-recorded) |
| 12:25 - 1:15 PM | Working Lunch |
| 1:15 – 1:35 PM | Clearing the Path to Commercialization Sally Benson, OSTP |
| 1:35 – 1:45 PM | Introduction to Breakout Session #1: Clearing the Path to Commercialization Scott Hsu, DOE Lead Fusion Coordinator |
| 1:45 – 4:00 PM | Parallel Breakout Session #1 Room 1: Energy Markets and Partnerships - <i>California Room</i> Ryan Umstattd, Moderator Room 2: Energy Justice, Inclusivity, Workforce Development, Public Engagement/Outreach – <i>Statler A Room</i> Steffi Diem, Moderator Room 3: Government Market Assistance - <i>Statler B Room</i> Andrew Sowder, Moderator Room 4: Other issues – <i>New York Room</i> Sachin Desai, Moderator |
| 2:45 - 4:00 PM | Refreshments available |
| 4:00 – 5:00 PM | Readout of Distilled Takeaways from Breakout Session #1 – <i>Plenary Federal A/B</i> |

5:00 Networking and self-organized dinners

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Thursday, June 2, 2022

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| 8:00 - 9:00 AM | Breakfast Plenary Session – Federal A/B |
| 9:00 – 9:20 AM | Models for Aligning Public and Private Sectors Michael Goff, Nuclear Energy |
| 9:20 – 9:30 AM | Introduction to Breakout Session #2: Aligning Public and Private Sectors Scott Hsu, DOE Lead Fusion Coordinator |
| 9:30 – 11:45 AM | Parallel Breakout Session #2 Room 1: Labs and User Facilities - <i>Federal A/B Room</i> Ahmed Diallo, Moderator Room 2: Universities - <i>New York Room</i> Troy Carter, Moderator Room 3: Privately Funded Fusion Companies – <i>California Room</i> Andrew Holland, Moderator Room 4: All Other Stakeholders - <i>Statler B Room</i> Seth Hoedl, Moderator |
| 10:30 – 11:00 AM | Refreshments Available |
| 11:45 – 12:30 PM | Readout of Distilled Takeaways from Breakout Session #2 – <i>Plenary Federal A/B</i> |
| 12:30 – 1:30 PM | Working Lunch |
| 1:30 - 2:00 PM | Lightning Round: DOE and Other Transactions (OT) (12 minutes each talk + joint Q&A) Background and options for DOE to enhance use of OT authority, Macros Gonzales Harsha, OTT Lessons-learned on DOE OT Agreements, Stephanie Carabajal & Derek Passarelli, Golden Field Office, EERE (Virtual-live) |
| 2:00 – 2:10 PM | Introduction to Breakout Session #3: Implementation and Policy Needs Scott Hsu, DOE Lead Fusion Coordinator |
| 2:10 – 4:25 PM | Parallel Breakout Session #3 Panel 1: Regulatory Framework – <i>Statler A Room</i> Amy Roma, Moderator Panel 2: Streamling Contracting/Procurement Processes & Delivery of Facilities – <i>Statler B Room</i> Michael Paulus, Moderator Panel 3: Health & Environmental Risks - <i>California Room</i> Matt McKinzie, Moderator Panel 4: Other Issues – <i>New York Room</i> Floyd DesChamps, Moderator |
| 3:10 – 3:40 PM | Refreshments available |
| 4:25 – 5:30 PM | Readout of Distilled Takeaways from Breakout Session #3 – <i>Plenary Federal A/B</i> |
| 5:30 PM | Networking and self-organized dinners |

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Friday, June 3, 2022

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| 8:00 - 9:00 AM | Breakfast <i>Plenary Session – Federal A/B</i> |
| 9:00 – 9:20 AM | Preliminary Milestone-Based PPP Framework John Mandrekas, SC Fusion Energy Sciences |
| 9:20 – 9:30 AM | Introduction to Breakout Session #4: Milestone-Based Program Scott Hsu, DOE Lead Fusion Coordinator |
| 9:30 – 11:45 AM | Parallel Breakout Session #4 Panel 1: Objectives – <i>Federal A/B Room</i> Scott Hsu, Moderator Panel 2: Contractual Mechanisms/Concerns – <i>New York Room</i> Rob Hobart, Moderator Panel 3: Criteria/Metrics – <i>California Room</i> Rich Hawryluk, Moderator |
| 10:30 – 11:00 AM | Refreshments Available |
| 11:45 – 12:30 PM | Readout of Distilled Takeaways from Breakout Session #4 – <i>Plenary Federal A/B</i> |
| 12:30 – 1:00 PM | Wrap-up and Next Steps |
| 1:00 PM | Workshop Adjourned – THANK YOU! (lunch on your own) |
| 1:30 – 4:30 PM | Closed session for DOE Staff – California Room |