

# EXPO 2021 AGENDA

Wednesday, July 28 - Thursday, July 29, 2021



Convergence Accelerator

\*The agenda is the same each day. All live demo times are in Eastern Time.

	10:00 AM	10:15 AM	10:30 AM	10:45 AM	11:00 AM
<b>Convergence Accelerator</b>				<b>001 NSF Convergence Accelerator</b> <i>Accelerating Convergent Solutions for Societal Impact—Program Overview</i>	
<b>TRACK A</b> Open Knowledge Networks	<b>A1 OKN Infrastructure</b> Open Knowledge Network Tools for Developers	<b>A2 KnowWhereGraph</b> A Knowledge Graph for Environmental Intelligence Applications	<b>A3 Urban Flooding OKN</b> Delivering Flood Information to AnyOne, AnyTime, AnyWhere™	<b>A4 SCALES</b> Transforming Accessibility & Transparency of Federal Courts	<b>A6 Integrated OKN</b> Integrating Knowledge Across Domains to Address National Scale Challenges
<b>TRACK B</b> Future of Work	<b>B1 NeuroAI@Work</b> Transforming Neurodiverse Employment Through Inclusion AI	<b>B2 LEARNER</b> Learning Environments for Augmenting Next-gen Emergency Responders	<b>B3 SkillSync</b> Reskilling Workers at the Speed of Business		<b>B4 Integrating the Future of Work Ecosystem</b> A Strategic Approach to Securing Global Leadership & Economic Competitiveness
<b>TRACK C</b> Quantum Technology	<b>C1 QuPID</b> Quantum Proteomics Insight Device	<b>C2 Hi-LINQS</b> High-Coherency Chiral Links for Networking Quantum Systems	<b>C3 NQLN AI-powered Microcredentialing</b> Rapid Microcredential Certification & QUAINT Search Engine	<b>C4 Quantum Sensors</b> Quantum-Interconnected Sensors Enhanced by Entanglement	<b>C5 Topological Qubit</b> s-TQC: Topological Qubit for Robust Quantum Computing
		<b>C6 QuaNeCQT</b> Quantum Networks to Connect Quantum Technology	<b>C7 PEAQUE - Photonic Engine for Quantum Computing</b> Enabling Scalable Cold Atom Quantum Computing with Integrated Photonics	<b>C8 AQS</b> Cloud-Accessible Atomic Quantum Simulator	<b>C9 QuSTEAM</b> Transforming Education for the 2nd Quantum Revolution
			<b>C10 SQAI</b> Scalable Quantum Artificial Intelligence for Drug Discovery	<b>C1 QuPID</b> Quantum Proteomics Insight Device	<b>C2 Hi-LINQS</b> High-Coherency Chiral Links for Networking Quantum Systems
				<b>C3 NQLN AI-powered Microcredentialing</b> Rapid Microcredential Certification & QUAINT Search Engine	<b>C3 NQLN AI-powered Microcredentialing</b> Rapid Microcredential Certification & QUAINT Search Engine
<b>TRACK D</b> AI-Driven Data Sharing & Modeling	<b>D1 Pisces ClimatePro</b> Quantifying America's Water & Climate Risks Using AI & Machine Learning	<b>D2 STRAIT Consortium</b> Validating AI Models & Establishing Trust	<b>D3 Infrastructure Safety Monitoring</b> An AI-driven Platform for Diagnosing Infrastructure Health	<b>D4 AI Maker</b> A Matchmaker for AI Models & Datasets	<b>D5 AI/ML-based Facial Analytics</b> AI/ML-based Facial Analytics for Natural Language
	<b>D6 HydroGEN</b> A Machine Learning Platform for Hydrologic Scenario Generation	<b>D7 LEARNER</b> Health AI Model Sharing & Learning	<b>D8 InstaTwin</b> Digitizing the Built Environment with the Power of AI	<b>D9 Model Exchange</b> A Standardized Model Description Format	<b>D10 aiShare</b> Outsmarting Cyber Threats with Private Data Sharing
	<b>D11 BurnPro3D</b> Fighting Wildfires Proactively with WIFIRE Commons	<b>D12 ImagiQ</b> Asynchronous & Decentralized Federated Learning for Medical Imaging	<b>D13 AI-Grid</b> AI-Enabled Programmable Networked Microgrids	<b>D14 Data Station</b> Combining Data, Compute, and Market Forces	<b>D15 Computing The Biome</b> Sensing & Predicting Biothreats with AI
		<b>D16 MetaMatchMaker</b> Discovery & Harmonization through Transfer Learning	<b>D17 CRIPT</b> Bringing the Age of Information to Polymers	<b>D18 Precision Epidemiology</b> Data-driven Disease Prevention & Control in Animal Health	<b>D1 Pisces ClimatePro</b> Quantifying America's Water & Climate Risks Using AI & Machine Learning
		<b>D2 STRAIT Consortium</b> Validating AI Models & Establishing Trust	<b>D3 Infrastructure Safety Monitoring</b> An AI-driven Platform for Diagnosing Infrastructure Health	<b>D4 AI Maker</b> A Matchmaker for AI Models & Datasets	<b>D2 STRAIT Consortium</b> Validating AI Models & Establishing Trust
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<b>Future of Manufacturing</b>			<b>F1 Democratized EcoManufacturing</b> Using AI to Make Plants into Biodegradable Electronics		

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	11:15 AM	11:30 AM	11:45 AM	12:00 PM	1:00 PM
<b>Convergence Accelerator</b>					
<b>TRACK A</b> Open Knowledge Networks	<b>A6 Integrated OKN</b> Integrating Knowledge Across Domains to Address National Scale Challenges	<b>A6 Integrated OKN</b> Integrating Knowledge Across Domains to Address National Scale Challenges	<b>A6 Integrated OKN</b> Integrating Knowledge Across Domains to Address National Scale Challenges		<b>A1 OKN Infrastructure</b> Open Knowledge Network Tools for Developers
<b>TRACK B</b> Future of Work	<b>B4 Integrating the Future of Work Ecosystem</b> A Strategic Approach to Securing Global Leadership & Economic Competitiveness	<b>B4 Integrating the Future of Work Ecosystem</b> A Strategic Approach to Securing Global Leadership & Economic Competitiveness	<b>B4 Integrating the Future of Work Ecosystem</b> A Strategic Approach to Securing Global Leadership & Economic Competitiveness		<b>B1 NeuroAI@Work</b> Transforming Neurodiverse Employment Through Inclusion AI
<b>TRACK C</b> Quantum Technology	<b>C4 Quantum Sensors</b> Quantum-Interconnected Sensors Enhanced by Entanglement	<b>C7 PEAQUE - Photonic Engine for Quantum Computing</b> Enabling Scalable Cold Atom Quantum Computing with Integrated Photonics	<b>C9 QuSTEAM</b> Transforming Education for the 2nd Quantum Revolution	<b>BREAK</b>	<b>C1 QuPID</b> Quantum Proteomics Insight Device
	<b>C5 Topological Qubit</b> s-TQC: Topological Qubit for Robust Quantum Computing	<b>C8 AQS</b> Cloud-Accessible Atomic Quantum Simulator	<b>C10 SQAI</b> Scalable Quantum Artificial Intelligence for Drug Discovery		<b>C2 Hi-LINQS</b> High-Coherency Chiral Links for Networking Quantum Systems
	<b>C6 QuaNeCQT</b> Quantum Networks to Connect Quantum Technology				<b>C3 NQLN AI-powered Microcredentialing</b> Rapid Microcredential Certification & QUAIN Search Engine
<b>TRACK D</b> AI-Driven Data Sharing & Modeling	<b>D6 HydroGEN</b> A Machine Learning Platform for Hydrologic Scenario Generation	<b>D11 BurnPro3D</b> Fighting Wildfires Proactively with WIFIRE Commons	<b>D15 Computing The Biome</b> Sensing & Predicting Biothreats with AI		<b>D1 Pisces ClimatePro</b> Quantifying America's Water & Climate Risks Using AI & Machine Learning
	<b>D7 LEARNER</b> Health AI Model Sharing & Learning	<b>D12 ImagiQ</b> Asynchronous & Decentralized Federated Learning for Medical Imaging	<b>D16 MetaMatchMaker</b> Discovery & Harmonization through Transfer Learning		<b>D2 STRAIT Consortium</b> Validating AI Models & Establishing Trust
	<b>D8 InstaTwin</b> Digitizing the Built Environment with the Power of AI	<b>D13 AI-Grid</b> AI-Enabled Programmable Networked Microgrids	<b>D17 CRIPT</b> Bringing the Age of Information to Polymers		<b>D3 Infrastructure Safety Monitoring</b> An AI-driven Platform for Diagnosing Infrastructure Health
	<b>D9 Model Exchange</b> A Standardized Model Description Format	<b>D14 Data Station</b> Combining Data, Compute, and Market Forces	<b>D18 Precision Epidemiology</b> Data-driven Disease Prevention & Control in Animal Health		<b>D4 AI Maker</b> A Matchmaker for AI Models & Datasets
	<b>D10 aiShare</b> Outsmarting Cyber Threats with Private Data Sharing				<b>D5 AI/ML-based Facial Analytics</b> AI/ML-based Facial Analytics for Natural Language
<b>Future of Manufacturing</b>		<b>F1 Democratized EcoManufacturing</b> Using AI to Make Plants into Biodegradable Electronics			

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<b>Convergence Accelerator</b>			<b>001 NSF Convergence Accelerator</b> <i>Accelerating Convergent Solutions for Societal Impact—Program Overview</i>		
<b>TRACK A</b> Open Knowledge Networks	<b>A2 KnowWhereGraph</b> A Knowledge Graph for Environmental Intelligence Applications	<b>A3 Urban Flooding OKN</b> Delivering Flood Information to AnyOne, AnyTime, AnyWhere™	<b>A4 SCALES</b> Transforming Accessibility & Transparency of Federal Courts  <b>A5 Biomedical OKN</b> Connecting the Dots to Advance Precision Medicine for Everyone	<b>A6 Integrated OKN</b> Integrating Knowledge Across Domains to Address National Scale Challenges	<b>A6 Integrated OKN</b> Integrating Knowledge Across Domains to Address National Scale Challenges
<b>TRACK B</b> Future of Work	<b>B2 LEARNER</b> Learning Environments for Augmenting Next-gen Emergency Responders	<b>B3 SkillSync</b> Reskilling Workers at the Speed of Business		<b>B4 Integrating the Future of Work Ecosystem</b> A Strategic Approach to Securing Global Leadership & Economic Competitiveness	<b>B4 Integrating the Future of Work Ecosystem</b> A Strategic Approach to Securing Global Leadership & Economic Competitiveness
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