



Draft Agenda as of 7/20/2022

“Conference on Blue Integrated Partnerships & the 2050 Workforce of Tomorrow”

Agenda: July 29, 2022, Day 1

Purdue Climate Scholars & The 2050 Workforce

LOCATION: FRNY G140, Purdue Main Campus, West Lafayette, Indiana

Registration	On site FRNY G140	7:30AM - 8:30AM
Introduction	Dr. Luciano Castillo <i>Kenninger Professor of Renewable Energy & Power Systems. Dean’s Faculty Fellow for Hispanic/Latino Engagement. Purdue University</i>	8:25AM
Welcome	Dr. Jay Akridge <i>Provost and Executive Vice President for Academic Affairs and Diversity, Purdue University</i>	8:30AM - 8:40AM
<i>Session Chair: Chair Dr. Vito Francioso Post-doctoral Medici Fellow & Purdue Former Trailblazer Fellow, Purdue University</i>		
Topic #1: Energy & Sustainability	Team Fellows #1- #5 Chair Arquimedes Ruiz (TTU)	8:40AM – 10:00AM
10:00AM – 10:30AM Coffee Break		
Topic #2: Climate Change & Gender Inequality	Team Fellows #6- #10 Chair Dr. Maissa Khatib (UTEP)	10:30AM – 11:30AM
Session 1: Fellows Climate Change Documentary,	Chair Dr. Jessica Eise (UT- San Antonio)	11:30AM – 12:00PM
12:00PM – 1:30PM Catered Lunch		
Session Chair: Dr. Barrett Caldwell, NASA Indiana Space Grant Consortium, Purdue University		
Topic #3: Co2 Capture & Coastal Resiliency	Team Fellows #13- #16 Chair Dr. Miriam Velay	1:30PM – 2:00PM



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<p>Invited Talk #1: Diversity, Equity and Inclusion in Federal Contracting and Workforce</p>	<p>Calvin Mitchell, Director Office of Small and Disadvantaged Business Utilization Department of Education. Chair Torry Johnsson (NASA)</p>	<p>2:00PM – 2:30PM</p>
<p>Invited Talk #2: The 2050 Workforce and the Role of MSI on Building the Pipeline</p>	<p>Dr. Michael Hester MSI STEM Research & Development Consortium Chair Latonia Jones, Former Professional Staff Member, Subcommittee on Homeland Security</p>	<p>2:30PM – 3:00PM</p>
<p>3:00PM – 3:30 PM Coffee Break</p>		
<p>Invited Lecture My Journey & The Role of Strategic Partnerships to Solve the World’s Grand Challenges</p>	<p>Dr. Monica Barrera, President National Academy of Engineering of Mexico NAE-Mexico Chair Victor Castano (UNAM)</p>	<p>3:30PM – 4:00PM</p>
<p>Talk: Agro-Waste Big Thinking & Potential for Central America</p>	<p>Diego Britto, Sr. Vice-President for Finance, Purdue Global</p>	<p>4:00PM – 4:15PM</p>
<p>POSTER COMPETITION</p>	<p>Purdue Climate Scholars: Chair Prof. Gerardo Carbajal Judges: Hector Gomez, Monica Barrera, Arvind Raman</p>	<p>4:15PM – 5:30PM</p>
<p>Closing Remarks</p>	<p>Interim Dean, Mark Lundstrom (Purdue) and Dean Jorge Rovira (UPR-Bayamon)</p>	<p>5:30PM – 5:45PM</p>
<p>6:00PM – 8:00 PM BBQ Event</p>		



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Agenda: July 30, 2022, Day 2

On Sustainable Aviation & Puerto Rico as a Hub for Aeronautics. NASA, PR and Consortium BIP

LOCATION: FRNY G140, Purdue Main Campus, West Lafayette, Indiana

Registration	On site FRNY G140	7:30 AM - 8:30 AM
Introduction	Dr. Luciano Castillo (Purdue) & Torry Johnsson (NASA)	8:30AM – 8:45AM
Welcome	Dr. Miguel Velez-Rubio Chancellor UPR-Bayamon	8:45AM - 9:00AM
Session 1: <u>Electric Aviation & Future</u> Chair William Crossley , William Uhrig and Anastasia Vournas Head of Aeronautics and Astronautics, Purdue University		
Invited Talk #1: UAVs and Urban Air Mobility Challenges & Opportunities	Waseem Naqvi CTO Unmanned Systems, Raytheon	9:00AM – 9:30AM
Panel #1: Aviation & PR	The Case for Sustainable Aviation & Puerto Rico LEAD: Jose Castro , DDEC and Sam Talman , Invest PR	9:30AM – 12:00PM
	Martin D'Eramo , Raytheon	9:30AM – 9:45AM
	Josymar Acosta , P&W	9:45AM – 10:00AM
	Javier Ramis , Collins Aerospace	10:00AM – 10:15AM
10:15 AM – 10:45 AM Coffee Break		
Panel # 1: Aviation & PR (Continue)	Luis Ramos , Honeywell Aerospace	10:45AM – 11:00AM
	Roberto Caro , DXC Technologies	11:00AM – 11:15AM
	Eric Swider , Rubidex	11:15AM – 11:30AM
		11:30AM – 11:45AM



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	Michael Mangiafico, PrecisionWorkx	
	Summary Session #1 Jose Castro and Sam Talman	11:45AM – 12:00PM
12:00PM – 1:00PM Catered Lunch		
SESSION: Workforce and Infrastructure: Chair Luciano Castillo		
Panel #2: 2050 Workforce in Aerospace & Role of MSIs	William Crossley, Purdue Waseem Naqvi, Raytheon Rod Chappell (NASA)	1:00PM – 1:30PM
Invited Talk #2: Center of Excellence at UPRM- AIR. Aerospace & An Inclusive Workforce	Dr. Sheilla Torres, UPRM	1:30PM – 2:00PM
TOUR OF THE AEROSPACE TECHNOLOGY DISTRICT	Dr. Jay Gore, Reilly University Chair Professor. (15 min Presentation & Tour Facilities)	2:00PM – 3:30PM
3:00PM – 3:30 PM Coffee Break		
Session Manufacturing & Workforce: Chair Dr. Miguel Velez-Rubio Chancellor UPR-Bayamon		
Panel #3: R&D & Manufacturing in PR	Lead by Sam Talman & Jose Castro PANELISTS: Victor Claudio, CFO Lift Rod Chappell NASA Josué Rivera, SBIR Federal Affairs Policy Advisor	3:30PM – 4:00PM
Keynote Lecture: My Keys to a Successful Career: Lessons from My Life Story	Ginger Kerrick NASA Flight Director	4:00PM – 5:00PM
Closing Remarks & Key Follow Ups	Torry Johnsson (NASA) & Humberto Mercader Assistant Deputy Secretary, Department of Economic Development, PR	5:00PM – 5:30PM



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Agenda: July 31, 2022. Day 3
Match Making & Engagement Day
Event and Unique Opportunities for Federal Contracts with MSIs
Latonia Jones, DHS & BIP Consortium
LOCATION: FRNY G140, Purdue Main Campus, West Lafayette, Indiana

Registration	ON SITE FRNY G140	7:30AM – 8:30AM
Introduction & Vision of Consortium BIP	Dr. Luciano Castillo <i>Kenninger Professor of Renewable Energy & Power Systems. Dean's Faculty Fellow for Hispanic/Latino Engagement. Purdue University</i>	8:30AM- 8:45AM
Welcome and Intro to DHS	Ms. Lauren Edwards, DHS	8:45AM- 9:00AM
Keynote Lecture: <i>The Ups & Downs to a Leadership Career: My key Super Powers to Success</i>	Ms. Darlene Bullock, Executive Director, DHS OSDBU (invited)	9:00AM – 10:00 AM
10:00AM – 10:30AM Coffee Break		
PANEL & Discussion: Available Opportunities for Small Businesses, MSIs, HBCUs including Research and Development Opportunities and Doing Business with DHS. Panel Members: Dusty Lang, Greg Simmons, Darlene Bullock and Lauren Edwards, Representative from CBP and Component SBS		10:30AM – 11:45 AM
12:00PM – 1:30PM Catered Lunch		
Workshop: The Mechanics of Federal Contracting	Latonia Jones & Dr. Chance Glenn Jimmy Smith, OSDBU Navy (to be invited) Calvin Mitchell, DOE Procurement Technical Assistance Centers (PTAC) Indianapolis, IN (to be invited) Chris Jeffers, Indiana PTAC Manager Tod Frye, Branch Chief Contracting Officer, DHS, Indianapolis, IN	1:00PM – 2:45PM



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<p>TALK #1: On Gender Lens Perspective for Research & Innovation</p>	<p>Dr. Maissa Khatib University of Texas- El Paso & Tanya Purwar PhD Candidate, Purdue</p>	<p>2:45PM – 3:00PM</p>
<p>3:00PM- 3:30PM Coffee Break</p>		
<p>Match Making: <u>Opportunities for HBCUs/MSI and Minority Owned Companies</u></p>	<p>Dusty Lang Students & Opportunities. Greg Simmons, DHS Component SBS Matchmaking (Tentative CBP) Todd Frye, Branch Chief Contracting Officer, DHS, Indianapolis, IN. Session Chair: Latonia Jones Matchmaking with Industry & Universities.</p>	<p>3:30PM – 4:30 PM (20 min per session)</p>
<p>Business Plan Competition: THE BOILERMAKER PITCH</p>	<p>Chair Dr. Vito Francioso Post-doctoral Medici Fellow & Purdue Former Trailblazer Fellow, Purdue University Judges: Dusty Lang (DHS), Greg Simmons, DHS and Torry Johnsonson (NASA)</p>	<p>4:30PM – 5:30PM</p>
<p>POSTER SESSION FOR STARTUPS & COMPANIES</p>	<p>PUBLIC DISPLAY DAY 2 -3</p>	<p>DURING COFFEE BREAKS- LUNCH-DINNER</p>
<p>5:30PM – 5:50PM Closing Remarks Darlene Bullock, Executive Director, DHS OSDBU. & Dr. Theresa Mayer, Executive Vice President for Research & Partnerships, Purdue University</p>		
<p>6:00PM – 7:00PM Reception Cocktails & Mr. Magic Show by Tom Payton</p>		



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Agenda: August 1, 2022. Day 4

NSF Innovation Engine: The Caribbean Green Engine (CGE) for Coastal Resiliency and Economic Growth

LOCATION: FRNY G140, Purdue Main Campus, West Lafayette, Indiana

<p>Introduction: The Caribbean Green Engine: VISION & GOALS</p>	<p>Dr. Luciano Castillo <i>Kenninger Professor of Renewable Energy & Power Systems. Dean's Faculty Fellow for Hispanic/Latino Engagement. Purdue University</i></p>	<p>8:30AM – 8:45AM</p>
<p>Welcome</p>	<p>Hon. Jennifer Gonzalez (R- PR at Large), U.S. House of Representatives: Introduction: Chancellor Miguel Velez Rubio (UPR-Bayamon)</p>	<p>8:45AM – 9:00AM</p>
<p>Keynote Lecture: On Data and the Digital Age</p>	<p>Rick Echevarria, Sr. Vice-President Intel</p>	<p>9:00AM – 10:00AM</p>
<p style="text-align: center;">Coffee Break</p> <p style="text-align: center;">10:00AM– 10:30AM</p>		
<p>Talk #1: A Historic Perspective of a Purdue Alumni on The Meade Lake Historic Project</p>	<p>Ms. Diane Mead Activist Environment</p>	<p>10:30PM – 10:45PM</p>
<p>Talk #2: Key Challenges of the Region and East Coast of USA and Leveraging NSF Facilities</p>	<p>Arindam Gan Chowdhury, PhD PI and Director, NHERI Wall of Wind (WOW) Experimental Facility (EF) Co-Director, Lab. Wind Engineering Research, Extreme Events Institute</p>	<p>10:45AM – 11:00AM</p>
<p style="text-align: center;">CGE DISTINGUISHED PANEL ON EDUCATION-MENTORSHIP-INNOVATION FOR EQUITY & ECONOMIC PROSPERITY: BREAKING BARRIES Greg Simmons, DHS; Dusty Lang, DHS; Dr. Arvind Raman, Sr. Associate Dean at Purdue Federal Affairs Policy Advisor; Brian Gonzalez, Executive Director Intel Corp, and Jon Harbor, Provost Purdue Global. Chair Luciano Castillo</p>		<p>11:00AM – 12:00PM</p>
<p style="text-align: center;">12:00PM – 1:00PM Catered Lunch</p>		
<p style="text-align: center;">PRIVATE LUNCH MEETING: CGE LEADERSHIP & INVITED GUESTS (NASA, DOE, DHS, DE, DoD) 12:00PM – 1:30PM LEAD: Luciano Castillo and Miguel Velez (UPR-B)</p>		
<p style="text-align: center;">Session Chairs: Drs. Melissa Burdi (Purdue Global) and Jorge Rovira (UPR-Bayamon)</p>		



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<p>Talk #3: Federal Contracts Strategy and Certifications with Purdue Global & UPR-Bayamon</p>	<p>Ms. Latonia Jones, Former Professional Staff Member, Subcommittee on Homeland Security</p>	<p>1:30PM – 1:45PM</p>
<p>Talk #4: Hurricanes & World-Class facility in Florida for Predictive Models</p>	<p>Dr. Brian K Haus, University of Miami</p>	<p>1:45PM – 2:00PM</p>
<p>Talk #5: Resilient Infrastructure & AI</p>	<p>Dr. Claudia Marin Howard University</p>	<p>2:00PM – 2:15PM</p>
<p>Talk #6: Synthetic Mangroves for Coastal Resiliency & Co2 Capture</p>	<p>Dr. Oscar Curet, Florida Atlantic University</p>	<p>2:15PM – 2:30PM</p>
<p>Talk #7: On Co2 Capture: Materials-Technologies-Research</p>	<p>Dr. Mirian Velay, Purdue University</p>	<p>2:30PM – 3:00PM</p>
	<p>Coffee Break</p>	<p>3:00PM – 3:30PM</p>
<p>Invited Lecture & Discussion Co2 Carbon Capture</p>	<p>Mark Ackiewicz, Director Office of Carbon Management, DOE</p>	<p>3:30PM – 4:30PM</p>
<p>Talk #8: Strategy for Fundraising, Philanthropy & IP Contracting for CGE</p>	<p>Ms. Laura Williams, University of Michigan</p>	<p>4:30PM – 4:45PM</p>
<p>Talk #9: Policy & Communications for Coastal Regions</p>	<p>Dr. Jessica Eise, UT-San Antonio</p>	<p>4:45PM – 5:00PM</p>
<p>Invited Presentation: <i>Growing the Future Economy by Building a Trained Diverse Workforce</i></p>	<p>Hon. Jennifer Gonzalez (R- PR at Large), U.S. House of Representatives.</p> <p>Introduction: Chancellor Miguel Velez Rubio (UPR-Bayamon)</p>	<p>5:00PM - 5:30PM</p>
<p>Closing Remarks</p>	<p>Dr. Mung Chiang President Elect Purdue University Introduction: Luciano Castillo</p>	<p>5:30PM – 5:45PM</p>
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	(1) UPR-Bayamon, Purdue Global and Purdue BIP Consortium	
	<p align="center">Dinner Event & <i>The Eunice Newton Foote Award</i> <i>Ceremony: Purdue Climate Scholars</i></p>	<p align="center">Shively at Ross Ade, Football Stadium</p> <p align="center">6:30PM – 8:30PM</p>