#### Wednesday, October 18

Time	Event	Location
11:30 am	Registration, Lunch and NASA tour badging	Lobby
12:30 pm	Boarding Bus to NASA Glenn	Lobby
1:00 pm	NASA Glenn tour	NASA
3:00 pm	Heather Snyder- Quinn, DePaul University Breaking Boundaries, Building Tomorrow: A Workshop on Interdisciplinary Collaboration for Sustainable Innovation	Sunroom
4:30 pm	Welcome Reception Presentation of Biocene Art and Artists Kate Budd, University of Akron Fernando Cremades, MediaLab Matadero Madrid Kasumi, kasumifilms.com Kyoung Hee Kim, University of North Carolina, Charlotte and EcoClosure Sherry Simms, University of Akron	Lobby
5:00 pm	Networking and Art	Lobby
6:30 pm	Adjourn	

#### Thursday, October 19

Time	Event	Location
7:30 am	Registration & Breakfast	Lobby
8:30 am	<ul> <li>Welcome</li> <li>John Sankovic, President, Ohio Aerospace Institute</li> <li>Trisha Brown, Co-Director, Great Lakes Biomimicry</li> <li>Doug Piekarz, President &amp; CEO Akron Zoo</li> <li>The Wild Side of Research and Development:</li> <li>Tools to Engage Nature's Wisdom to Create Our</li> <li>Future</li> </ul>	Auditorium
9:00 am	Multi-faceted MelaninModerated by Ali Dhinojwala, University of AkronAndrew Trunek, NASA Glenn Research CenterMelanin: The Amazing MultifunctionalMaterial for Harsh Environment Sensing andPotential Energy Harvesting ApplicationsKat Kornegay, Stanford UniversitySynthesis and Multi-physical Characterizationof Melanin-rich Mycelium AerogelsRadamés Cordero, Johns Hopkins BloombergSchool of Public Health and President of MelaTechMimicking Black Fungi: Unlocking Melanin'sBiotech PotentialFernando Cremades, MediaLab Matadero, MadridRadiotropism	Auditorium
10:30 am	The Powers of Nature's MaterialsModerated by John Sankovic, Ohio AerospaceInstituteSissi Lui, Metalmark InnovationsFrom Butterflies to Air Purifier: One Company'sJourney From Nature-inspired Materials to aDisruptive Indoor Air Quality SolutionLorenzo Mencattelli, Helicoid IndustriesBio-inspired Helicoid Composites: Empowering theNext Generation of Ultra-efficient Structural MaterialsTiffany Williams, NASA Glenn Research CenterTowards Bio-inspired Materials and ProcessesFor Extreme Aerospace Environments	Auditorium

#### Thursday, October 19, continued

Noon	Lunch	Sunroom
1:00 pm	Building BetterModerated by Chris Maurer, redhouse studioHans Papke, DLR GroupDesigning Smart Buildings Based on Desert WisdomMaggie Bump, NanoSonicTermite Bioengineering Harnessed for Disaster SiteRecoveryKyounghee Kim, University of North Carolina,Charlotte and, EcoClosureZero Carbon Architecture: Nature Based Solutions ToDecarbonate the Built EnvironmentMonika Lipinska, Newcastle UniversitySpace to Grow	Auditorium
2:30 pm	Thermal Properties and ColorModerated by Viktoria Greanya, ParallaxResearchJennifer Lalli, NanoSonicSilkworm Cocoon Inspires ThermallyProtective MaterialsAlon Gorodetsky, University of California, IrvineDynamic Materials and Systems Inspired byCephalopodsMatt Shawkey, Universitiet GhentA Rainbow in the Dark: Melanin-basedOptical Materials	Auditorium
4:00 pm	Happy Hour Posters and Networking with Students	Lobby
5:30 pm	Adjourn	

#### Friday, October 20

Time	Event	Location
7:30 am	Breakfast	Atrium
8:30 am	Convene <b>Peter Niewiarowski, University of Akron</b> Innovation and Sustainability Through Biomimicry: Guarantees or Opportunities?	Auditorium
9:00 am	The Paradox of Ice Moderated by Peter Niewiarowski <u>Ali Dhinojwala, University of Akron</u> Learning from Nature to Tackle Adhesion and Traction in Wet and Icy Conditions <u>Anne Kietzig, McGill University</u> Passive Anti-icing Inspired by Penguin Feathers <u>Anish Tuteja, University of Michigan</u> Novel Anti-Icing Molecules and Coatings	Auditorium
10:30 am	Bio-inspired Material Markets Moderated by Ven Ochaya, Baldwin Wallace University Dennis Tuckowski, International Council on Systems Engineering (INCOSE) Leveraging the Systems Engineering Product Development Process to Foster Adoption of Advanced Sustainable Materials Shambuhu (Sam) Jha, Fact.MR Revolutionizing the Future: Biomimetic Industry Innovation Driven by Data and Guided by Outcomes Burak Aksak, Setex Technologies A Bioinspired Solution to Temporary Bonding at High Temperatures: The Market Landscape	Auditorium
Noon	Conference Wrap-Up	Auditorium
12:30 pm	Lunch	Sunroom