

Sunday, September 24, 2017

7:30 AM	5:30 PM	Registration - Tinkham Veale University Center
7:30 AM	8:30 AM	Continental Breakfast
8:30 AM	9:15 AM	Welcome & Opening Remarks
9:15 AM	10:15 AM	Session 1: Makerspace Mission, Vision, Goals & Core Values
		57 - Parallel and Orthogonal Relationships Between Academic Makerspaces, Innovation Centers, and Entrepreneurship Programs
		67 - Empowering the Liberal Arts Student: Tech for All
		107 - IUPUC Spatial Innovation Lab
		120 - Makerspaces First: A First-year Engineering Program in an Academic Makerspace
10:15 AM	10:30 AM	Break
10:30 AM	11:30 AM	Session 2: Space Design, Workflow, Equipment, and Safety & OSHA Regulations
		26 - The Role of Academic Makerspaces for Entrepreneurship - A Match Between Entrepreneur's Needs and Maker Movement Elements
		91 - Creating a Manufacturing-oriented Academic Makerspace
		997 - Makin' it Work - Growing Pains, Solutions and Lessons Learned in Creating a Maker Training for a Class of 1100 Freshmen
		1138 - Prototyping Biomolecules to Machines: A Case Study Into Why and Lessons on How to Launch and Sustain an Academic Biomaker Lab
11:30 AM	1:00 PM	Lunch & Networking
1:00 PM	1:15 PM	Video 1: Massachusetts Institute of Technology
1:15 PM	2:30 PM	Session 3: Defining Success: Metrics, Data Collection, & Impact
		28 - The Importance of Collecting Data in Validating Metrics and Measuring Impact
		29 - Development and Impact of a Data Collection System for Academic Makerspaces
		56 - Best Practices for University Makerspace Based on Interviews from Their Leaders
		76 - Classifying Academic Makerspaces - Applied at ISAM 2017
		995 - Quantifying Success in a Student-run Makerspace: A Case Study and Survey-Based Analysis
2:30 PM	3:30 PM	Session 4: User Engagement, Programming & Controlling Access
		52 - Growth and Evolution of an Academic Makerspace in Guatemala
		85 - Increasing Engagement Through Fab Lab Communication and Programming
		86 - Role of Academic Makerspaces in Social Development
		1155 - Designing an Immersive Design Challenge: Digitally Fabricated, Solar Charging Station for Public Spaces
3:30 PM	3:45 PM	Break
3:45 PM	5:00 PM	Session 5: Supporting and Promoting Innovation and Entrepreneurship
		1137 - 3D Printing and Plastics: Advancing Materials, Training, and International Engagement
		36 - Making the MSU Makerspace an Integral Component of the Innovation Culture on Campus
		43 - Employing Maker Space Capabilities and Culture to Address Corporate Innovation Needs
		89 - Prototyping Spaces for Entrepreneurship
		92 - iDesign Studio: Gateway to Innovation and Entrepreneurship via Incubation Curriculum
5:00 PM	7:00 PM	Poster Session & Reception - Thwing Ballroom

Monday, September 25, 2017

7:30 AM	5:30 PM	Registration
7:30 AM	8:30 AM	Continental Breakfast & Vendors
8:30 AM	8:45 AM	Updates & Announcements
8:45 AM	9:15 AM	Transforming Ideas into Reality: Making Technologies for Exploration and Aviation Dr. Marla Perez-Davis, Deputy Director, NASA Glenn Research Center
9:15 AM	10:30 AM	Session 6: Supporting & Promoting Innovation & Entrepreneurship 47 - Kickbox - A Personal Innovation Kit for Student Makers 78 - Rapid Prototyping of Open Source Fixtures for Cultured Meat as a Case Study in Makerspace Resources 115 - We Are All In This Together: Building a Network of Makerspaces in California Community Colleges 118 - Creating an I&E Accelerator in a Digital Makerspace to Support Innovation and Entrepreneurship 22 - Tangible Models of the Giant Dipole Resonance
10:30 AM	11:00 AM	Break & Vendors
11:00 AM	11:15 AM	Video 2: Case Western Reserve University
11:15 AM	12:15 PM	Session 7: Navigating Policies & Politics to Promote Campus Collaborations 113 - One Hand Washes the Other: Creating a Network of Makerspace Nodes from Disparate Units in a Large University 117 - Scaling the DIY Approach: Do-It-Together with Student Staff Service Learning 996 - Building Strategic Partnerships with Non-Maker Entities to Foster a Maker Culture Quantifying Success in a Student-run Makerspace: a Case Study and Survey-Based Analysis 999 - Who, What, When and Where: Learning From Student Use Patterns When they Have Access to Multiple Makerspace on a Campus
12:15 PM	1:30 PM	Lunch, Vendors & Networking
1:30 PM	1:45 PM	Video 3: Virginia Commonwealth University
1:45 PM	3:00 PM	Session 8: Training, Documentation & Competency Certification 48 - Writing in the Making: Integrating Design Thinking, Collaboration, and Material Literacy in Technical Writing Pedagogy 63 - Flipping the Makerspace to Maximizing Active Learning Time in Introductory Workshops 111 - Petting Zoos Populated with Physical Objects That Teach Best Practices in Prototyping 112 - The Maker's Bake Sale: A Student Centric Approach to Augment Operating Budgets 1131 - A Modular CNC Block for Meaningful Hands-On Experiences in a large Freshman Mechanical Engineering Course
3:00 PM	4:00 PM	Session 9: Community & Industry 38 - Stanley Black & Decker's First Makerspace: Co-opting the Academic Makerspace Model Into a Company 45 - University Makerspaces as Workplaces for K-12 STEM Educators 71 - Evolution of Ecosystems Mapping and Development Applied to Innovation Education 100 - Making Engineers Relevant (Again)
4:00 PM	5:00 PM	Vendors
5:00 PM	7:00 PM	Poster Session & Reception - Thwing Ballroom

Tuesday, September 26, 2017

7:30 AM	12:30 PM	Registration	
7:30 AM	8:30 AM	Continental Breakfast	
8:30 AM	8:45 AM	Updates & Announcements	
8:45 AM	9:30 AM	Invited Speakers: Barry Romich & Larry Sears	
9:30 AM	10:30 AM	Session 10: Makerspace Mission, Vision, Goals & Core Values	
		33 - Where Be Dragons? Charting the Known (and not so known) Areas of Research on Academic Makerspaces	
		87 - Beyond the Page: Outreach and Research in Academic Library Makerspaces	
		96 - 'Making' In A Liberal Arts Context	
		128 - Do We Need a New Epistemology for Learning as it Happens in 21st C Makerspaces?	
10:30 AM	10:45 AM	Break & Vendors	
10:45 AM	11:00 AM	Video 4: University of California, Berkeley	
11:00 AM	12:00 PM	Session 11: Management & Staffing Models	
		70 - Walking the Walk: Iterative Design in Student Staff Service Learning Projects	
		103 - Inbox, In Progress, Done: Building a Web-Enhanced Workflow for Faculty, Staff, and Students	
		108 - What is the Invention Studio?: A Deep Dive into the Culture That Allows for a Successful Academic Makerspace	
		998 - The Impact of Makerspaces on the Students that Volunteer to Mentor Makers	
12:00 PM	1:15 PM	Lunch, Vendors & Networking	
1:15 PM	1:30 PM	Video 5: Concordia University	
1:30 PM	2:30 PM	Session 12: Spaces for Industrial Design, Art, Architecture, Jewelry & Fashion	
2:30 PM	3:45 PM	Session 13: Role of Libraries in Promoting Academic Making	
		61 - Making Maker Literacies: Integrating Academic Library Makerspaces into the Undergraduate Curriculum	
		102 - By Invitation Only: How Librarians Can Increase Student Involvement in Academic Makerspaces	
		109 - Learning and Teaching in Library Makerspaces: A Literature Review on Making Literacies	
		122 - In the Library or Of the Library: the Why of Makerspaces in Academic Libraries	
		124 - A Future for Library Makerspaces: As the Core of a "Center for Public Scholarship"	
3:45 PM	4:00 PM	Break	
4:00 PM	4:15 PM	Video 6: Sacramento City College	
4:15 PM	4:45 PM	Higher Education Makerspaces Initiatives (HEMI) Panel	
4:45 PM	5:00 PM	Final Words	
6:30 PM	8:30 PM	Tours of Sears think[box] (additional, must be registered)	

Wednesday, September 27, 2017

8:00 AM	9:00 AM	Check-in (coffee/tea only)	Sears think[box]
9:00 AM	12:00 PM	ISAM 101: Design, Build & Manage a Makerspace	Floor 2
12:00 PM	1:00 PM	Lunch & Networking	Floor 2
1:00 PM	4:00 PM	ISAM 102A: Makerspace Equipment for Prototyping	Floor 3
1:00 PM	4:00 PM	ISAM 102B: Makerspace Equipment for Fabrication	Floor 4