Welcome to our winter Wildcatalyst Insider, covering news and events from October to December, 2016.

2016 was a year of innovation, collaboration, and growth, and we face 2017 with renewed energy to get the valuable outputs of UNH research out into the world and connect the business community with all that UNH has to offer.

Through corporate outreach, we were able to connect with over 200 companies last year with more engagement events already on the calendar. The Peter T. Paul Entrepreneurship Center (ECenter) had over 4,000 students connect, visit, and attend events over the past year and they are rolling out exciting new programming to further engage students in entrepreneurship and innovation this semester (check out i2passport.com). The IOL and the Connectivity Research Center also have some really interesting industry collaborations in the works, which you will read about below.

Check out our blog or follow us on Twitter to stay up to date with all out latest news, events, and initiatives as we continue managing and promoting UNH’s innovative research outputs and increasing university collaborations with the business community.

Cheers!
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UNHInnovation Hosts Sixth Annual Innovators' Dinner
UNHInnovation (UNHI) hosted the sixth annual Innovators’ Dinner on October 20th to celebrate and encourage the commercialization of innovative ideas generated through UNH research. The dinner was held in the Huddleston Ballroom where faculty, staff, students, and industry partners gathered to recognize the UNH community for its hard work, which resulted in 190 licenses, 13 patent applications, and a record $830,000 in commercialization revenue in FY16.

Read the full story

In December, 2016, Dot Sheehan, licensing director for athletics at UNHInnovation (UNHI), took the final steps to retire from UNH and move into the full-time role of president of Operation Hat Trick® (OHT). Dot founded OHT in 2007 and it is UNH’s first and only nonprofit startup company. It is a nationally and internationally recognized organization that raises awareness, support, and funding for the recovery of wounded service members and veterans through the sale of OHT branded merchandise. Proceeds of these sales are donated to organizations that support the OHT mission. As president, Dot will oversee every aspect of
the nonprofit’s activities, including business development, public relations, licensing, donations, fundraising, promotions, and customer contact.

Read the full story

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Initial Cohort of I-Corps™ Trainees Begins

In December, UNH kicked off its initial cohort of I-Corps™ trainees. The I-Corps training is part of an I-Corps Site Grant UNH received from the National Science Foundation (NSF) in early 2016 to foster entrepreneurship on campus and support the maturation of innovations developed at UNH from idea generation to commercialization. One of the pillars of UNH’s I-Corps Site is a 10-week Lean LaunchPad course that exposes trainees to the business model canvas, a tool that uses regular interviews with potential customers to outline how an idea fits within a market. Teams are formed around a promising innovation or idea and consist of at least a Principal Investigator, an Industry/I-Corps Mentor, and an Entrepreneurial Lead. Through participation in the UNH I-Corps training, teams are officially NSF-funded and eligible to apply for further funding to be an I-Corps Team (up to $50,000 of funding) and continue developing the commercial path for their idea through the canonical I-Corps program. The initial UNH I-Corps cohort met for the first time on November 30th and included seven teams formed around some exciting innovations and ideas such as an online chemical inventory system and a helmetless tackling program for football training.

Read the full story

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UNH Connectivity Research Center Starts First Smart City Project
The University of New Hampshire Connectivity Research Center (Connectivity) recently started on its first Smart City project in partnership with Senet, Inc. of Portsmouth, NH. Senet is a provider of public, low-power, wide-area networks (LPWANs) for long range-based (LoRa®-based) Internet of Things (IoT) applications. The project, Smart Transportation Systems, involves deploying a network of sensors throughout the University of New Hampshire Durham campus to improve transportation. This is done by measuring parking lot occupancy and pedestrian foot traffic as a means to help direct traffic around campus in a more efficient manner. In order to achieve this outcome, data must be gathered to develop an understanding of the current traffic situation, the number of parking spots available all over the campus, and to create highly accurate predictive models with respect to traffic and pedestrian flow. 

Read the full story

Undergraduate Students Predict 2016 Election at Inaugural UNH Hackathon

On Friday, October 21, 2016, our team along with almost 40 other students gathered at the
A hackathon is an idea competition, often involving technology, where teams compete to problem-solve in innovative and exciting ways (it does not involve computer hacking, a common misconception). Each hackathon has a theme and this event’s theme was the 2016 U.S. presidential election. The task was to use IBM Watson Analytics and Datawatch Monarch software tools to find insights and reach conclusions pertaining to the 2016 United States presidential election.

Read the full story

Collaborating with Industry to Create Secure IoT Solutions

Recently I had the opportunity to work on a Secure Internet of Things (IoT) demo with two collaborating companies, GlobalSign, a WebTrust-certified certificate authority and Infineon, a semiconductor manufacturer. The demo comprised of a Raspberry Pi single board computer, an Infineon Iridium TPM Board, and an LED light strip which was controlled through a secure website with certificates and provisioning through GlobalSign. Specifically, I was tasked with upgrading the demo to current hardware and technologies.

Read the full story

Marc Sedam Re-Elected to the AUTM Board of Directors
The University of New Hampshire announced that Marc Sedam, associate vice provost of innovation and new ventures and managing director of UNHInnovation, has been re-elected to the Association of University Technology Managers® (AUTM) board of directors for a three-year term that will begin in March, 2017. Sedam will join nine other board members serving in 2017.

AUTM is a nonprofit organization dedicated to supporting and improving academic technology transfer globally through education, professional development, partnering and advocacy. The general responsibilities of the board include development and oversight of policies to ensure the effective governance and fiscal health of the organization, strategic planning, and serving as ambassadors of the organization and the profession.

Read the full story
Hasso Plattner Institute of Design and is part of the National Center for Engineering Pathways to Innovation grant from the National Science Foundation that UNH received in early 2016. The goal of the UIF program is to empower students to be agents of change and innovation at their respective schools.

Read the full story

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UNHInnovation
Comings and Goings

UNHI Presentations

Presentation to State Liquor Commission
October 3, 2016
Presenter: Ellen Christo
Presentation Title: NH Brewing Program

CEPS Anniversary Panel
October 8, 2016
Presenter: Ian Grant
Presentation Title: The ECenter: It All Starts Here... Ideas, Innovation, Entrepreneurship

Hackathon @ the ECenter
October 21 & 22, 2016
Presenter: Heather MacNeill
Presentation Title: Welcome and Closing Remarks

NHIRC Oversight Committee Meeting
October 24, 2016
Presenter: Ellen Christo
Presentation Title: Future of NHIRC

NRESS Phd Seminar course
October 26, 2016
Presenter: Ian Grant
Presentation Title: Looking at the Process of Ideas, Innovation, Entrepreneurship

Raffoni Group Annual Offsite Retreat
November 3, 2016
Presenter: Marc Sedam
Presentation Title: Innovation as a Means to Top Line Growth and Increased Enterprise
Value

Class (MGT 732)
November 7, 2016
**Presenters:** Chris Harris, Matt Simon
**Presentation:** IP Basics

Tech Transfer Central webinar
November 10, 2016
**Presenters:** Maria Emanuel
**Presentation:** Student IP Ownership Rights: University Policy and Practices

2016 APEC Bio-Medical Technology Commercialization Training Center (TCTC)
November 9 – 10, 2016
**Presenters:** Marc Sedam
**Presentation:** Special Topic Program on Technology Start-Up

Alpha Loft Founder Series
November 29, 2016
**Presenters:** Ian Grant
**Presentation:** Start-up Experiences as a Founder

Strafford Regional Planning Commission
December 1, 2016
**Presenters:** Ellen Christo
**Presentation:** Economics of Brewing Panel Discussion

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**UNHI Committee Participation**

PLAN Board
**Marc Sedam**

Zero Waste Task Force
**Marc Sedam**

Alpha Loft Board
**Ian Grant**

Live Free and Start Advisory Council
**Marc Sedam**

Placement Employer Development Working committee
Ellen Christo

CRM Guiding Principals Group
Ellen Christo

UNH Corporate Advisory Group
Ellen Christo

UNH Corporate Engagement Committee
Ellen Christo
Matt Simon
Chris Harris
Maria Emanuel

UNHCEMS Working Group
Maria Emanuel
Matt Simon

IEP Core Implementation Committee
Maria Emanuel

Seacoast School of Technology Biotechnology Advisory Committee
Maria Emanuel

Financial Conflict of Interest Disclosure Review Committee
Maria Emanuel

Customer Journey Working Group
Maria Emanuel

Export Compliance Advisory Committee
Maria Emanuel

UNH Communicator's Network
Chelsey DiGiuseppe
Heather MacNeill

UNHI Attended Conferences and Events
NH University Research and Industry Plan – EPSCoR
October 6, 2016
Attendee: Marc Sedam

UNH Center for Family Business - CEO Breakfast Speaker Series
October 6, 2016
Attendee: Ellen Christo

VentureWell Conference
October 9 – 10, 2016
Attendees: Marc Sedam, Ian Grant

Tech Women Power Forum, NH High Tech Council
October 12, 2016
Attendee: Ellen Christo

Live Free and Start Investing in NH Forum
October 13, 2016
Attendee: Marc Sedam

BIA Annual Dinner
October 19, 2016
Attendee: Ellen Christo, Ian Grant, Marc Sedam

New England Council Annual Dinner
November 1, 2016
Attendee: Ellen Christo

Merrill Lynch Wine Dinner
November 2, 2016
Attendee: Ellen Christo

SSTI Annual Meeting
November 2-3, 2016
Attendee: Maria Emanuel

Greater Manchester Chamber of Commerce: Economic Development and Infrastructure Summit
November 9, 2016
Attendee: Ellen Christo

Greater Manchester Chamber of Commerce: Economic Development and Infrastructure Summit
November 9, 2016
Attendee: Ellen Christo

APLU Annual Meeting
November 13-15, 2016
Attendee: Maria Emanuel

UNH CEO Speaker Series
November 17, 2016
Attendee: Ellen Christo

UNH Boston Alumni Chapter
November 29, 2016
Attendee: Ellen Christo

NC State Centennial Campus Visit
December 6-December 8, 2016
Attendee: Marc Sedam, Ellen Christo

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UNHI Sponsored Seminars and Events

Event: ECenter Marketing Bootcamp
October 12, 2016
Presenters: Drew Schulthess
Presentation Title: How To Market Your Early Stage Idea or Start-up

Event: Annual Innovators’ Dinner
October 20, 2016
Presenter: UNHInnovation

Event: Hackathon
October 21/22, 2016
Presenters: ECenter (Heather MacNeill/Ian Grant)
Presentation Title: Hackathon @ the ECenter

Event: Catalyst Seminar
October 27, 2016
Presenters: Shawn Banker Jared Kelly
Presentation Title: A Conversation About...University/Industry Collaboration
Event: ECenter Sales Bootcamp
November 14, 2016
Presenters: Shawn Banker Jared Kelly
Presentation Title: Building a Sales Revenue Model for Start-Ups & How to Start Selling: For Social Non-Profit Ventures and For-Profit Businesses

Event: ECenter Start-up Speaker Series
November 15, 2016
Presenters: Katie Bouton, Stefania Mallet, Terry Anderton
Presentation Title: Serial Entrepreneurs: What Makes Them Successful?

Event: Catalyst Seminar
November 17, 2016
Presenters: Craig Morris
Presentation Title: A Conversation About...Trademark Fundamentals