INSIDE the LAB Newsletter | Issue No. 4   October 20, 2016

Our commercialization efforts inside AFRL/RI continue to gain steam as we head towards our next AFRL Commercialization Academy Demo Day. I have seen increased awareness and excitement around the value of Intellectual Property "farming", Innovation Discovery Events, Commercialization, and licensing within our Directorate as well as within our supporting organizations.

Recently I attended an Innovation Discovery Event in Colorado Springs. This event was organized by the Center for Technology, Research, and Commercialization (C-TRAC) and our long-time partner TechLink, who jointly won part of the AFRL/SB Technology Transfer (T2) Pilot Project Broad Agency Announcement (A $4.1M BAA – BAA-AFRL-RQKDA-2015-0001). The event was held at the beautifully renovated building called the Catalyst Campus.

What is particularly noteworthy of this event is it involved not only AFRL/RI but RD and the US Air Force Academy. It was a coordinated cross-directorate effort focused on the T2 of Air Force technology. The technologies presented were fascinating! I have to give a special shout out to our two S&E's who participated in the event. Gennady Staskevich (RISC) – "Lightweight, Distributed, Network Traffic Analysis" and Ed Verenich (RISC) – "Datapath: Stochastic, Temporal Stimulation of Data Flow Reliability". Their presentations were awesome! One panelist even asked "How can I invest in your idea today?!"

With increased efforts to promote T2 among our workforce comes the inevitable question: "Is there any training offered to wannabe Entrepreneurs"? The answer is "YES"! We are holding the Air Force Development of Ventures in Science and Engineering (ADVISE) training at the Griffiss Institute in November. ADVISE is an introductory course for scientists and engineers with advanced technical backgrounds to learn the basics of developing and evaluating new investment and innovation opportunities. The course will teach lean startup thinking, customer discovery, and value propositions. I've emailed a flyer to all S&E's with a signup link. Class size is limited and filling up fast!
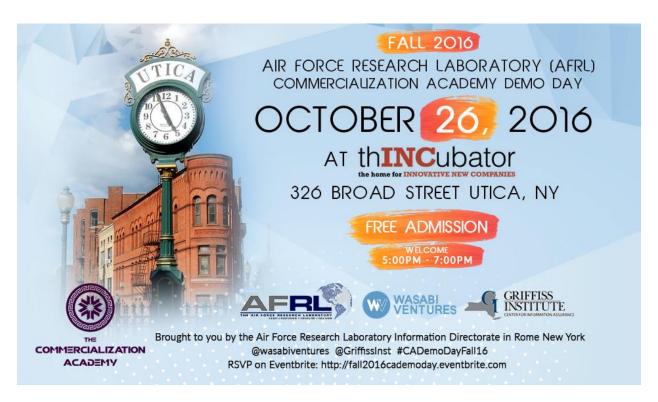
Hope to see you all at The thINCubator in Utica for Demo Day October 26th (5:00 – 7:00pm)!

- Brian Abbe, ORTA, AFRL/RI

Scientists and Engineers, Welcome to the Air Force Research Laboratory (AFRL) Commercialization Academy Demo Day October 26, 2016

The Griffiss Institute, as a Technology Transfer Partnership Intermediary of the Air Force Research Laboratory Information Directorate (AFRL/RI) is inviting scientists and engineers to the Fall 2016 Air Force Research Laboratory (AFRL) Commercialization Academy Demo Day on Wednesday, October 26, 2016 at 5:00 p.m. EDT at The thINCubator, 326 Broad Street in Utica, New York.

Seven innovative, tech startup teams from the Fall 2016 AFRL Commercialization Academy Cohort have been selected to take the stage to compete in a live pitch competition in front of an audience and a judges' panel.

The judges' panel will also include members from the AFRL/RI. The panel will evaluate each startup based on such factors as: the culture of innovation that has been created within the startup due to incorporating AFRL technology, the sustainability of the solution beyond the initial startup period, and product feasibility.

A live audience and a judges' vote will be held, with a $20,000 cash prize to be given to each of the two winners of the two best pitches of the day!

The Air Force Research Laboratory Commercialization Academy is a Griffiss Institute entrepreneurial education program sponsored by the AFRL/RI. The Griffiss Institute welcomed early-stage venture capital firm Wasabi Ventures to lead the way in the program in January 2015. The program is designed to develop entrepreneurial leaders through the commercialization of federal intellectual property in order to facilitate the growth of Upstate New York's economy through tech startups, and potentially speed technology products back into the hands of the Department of Defense.

Here are the seven startup teams chosen to compete at Demo Day and the AFRL-developed technology they are utilizing to either build a startup, or enhance their startups' present technology, in order to create sustainable businesses:

Software application company that streamlines the ordering and inventory process for electrical contractors and related suppliers.

- **Inventor:** Michael J. Manno
- **Lab IP:** Method and apparatus for providing access to information systems via email

Peer-to-peer lending platform (P2P) that provides African homeowners and businesses with loans for solar systems.

- **Inventor:** Dr. Andrew Noga
- **Lab IP:** Method and apparatus for detecting and extracting fileprints

Sports team management network for athletes, teams, coaches, parents, and fans to create real-time updates associated with team fees, scores, standings, rosters, statistics, benchmarks, and networking for little league, collegiate, and professional sports teams.

- **Inventors:** Douglas Boulware/RIEA and John Salerno/RIED
- **Lab IP:** Method and apparatus for improved web scraping

Online test prep platform for commercial drone operators taking the Federal Aviation Administration knowledge exam.

- **Inventors:** Stanley Borek/RIGC and Nicholas G. Bourbakis
- **Lab IP:** Method and apparatus for separating text from images

Printing as a Service platform (PaaS) for 3D printing services of all types. The platform links consumers with customers, hobbyists, makers, designers, and inventors.

- **Inventor:** Dr. Andrew Noga
- **Lab IP:** Method and apparatus for detecting and extracting fileprints

Web-based service that automates the collection and aggregation of operational and capital expense data on every home. When combined with property data from local Multiple Listing Services, the result is greater intelligence and better decision-making capabilities for buyers, sellers, and agents.

- **Inventors:** Douglas Boulware/RIEA and John Salerno/RIED
- **Lab IP:** Method and apparatus for improved web scraping

Using mobile devices, wireless sensors, and cloud computing, Sensible Spreader brings operators of winter road maintenance and street sweeping fleets together in real-time through the Coverage Indication System in order to economize resources, increase safety, and decrease impact on the environment.

- **Inventor:** Lynn Lee
- **Lab IP:** Method and apparatus for risk identification and mitigation in shift work fatigue

[Order your ticket](#) today to vote for your favorite startup pitch at Demo Day on October 26!

September 2016 Innovation Discovery Event Recap

On September 15, 2016, the Griffiss Institute held an Innovation Discovery Event at their facility on 725 Daedalian Drive, Rome, NY. Mr. Daniel Goddard, AFRL/RI Director, provided the

introduction and welcomed the audience, as well as a panel of nine individuals with strong technical and business backgrounds from central New York and as far away as Boston, MA.

The three topics presented were: "Phonation Style Detection" presented by Dr. Darren Haddad and Dr. Stanley Wenndt and two by Dr. Mark Linderman: "Mapping FIFOs into Processor Address Space" and "Inline filter for 1553 Bus". Post event interviews with the presenters and panelists was very positive. Both panelists and presenters enjoyed the great interactions and thinking outside the box discovering new ways to take technologies designed for one purpose and applying them to other areas.

One presenter described his experience as positive and stated, "This wasn't a shark tank, but a help tank", referring to the panelists working hard to help the presenters find new markets and applications for their innovative ideas. Two other presenters described the IDE as first-class and stimulating. All presenters agreed that it was a worthwhile experience and would do it again in the future. The next Innovation Discovery Event is planned for next spring.