

2017-09-27 UL Lafayette Researchers & IAB Meeting Notes

Date

11 Oct 2017

Attendees

- Matt Delcambre (UL Lafayette)
- Mike Lucito (Schumacher Clinical Partners)
- Scott Wilson (USGS Wetland and Aquatic Research Center)
- Sally Johnson (UL Lafayette)
- Richard Bissonette (CGI)
- Matti Vakkuri (Tieto)
- Raju Gottumukkala (UL Lafayette)
- Vijay Raghavan (UL Lafayette)
- Henry Chu (UL Lafayette)
- Geoffrey Stewart (UL Lafayette)
- Jack Damico (UL Lafayette)
- Jian Chen (UL Lafayette)
- Khalid Elgazzar (UL Lafayette)
- Ramesh Kolluru (UL Lafayette)

Discussion items

Item	Notes
Overview	<p>Matt Delcambre comments:</p> <ul style="list-style-type: none">• <u>Local Joint IAB/Researcher Meetings</u><ul style="list-style-type: none">• In the past, at least once a year, UL Lafayette hosted an IAB Spring or Fall meeting in Lafayette - so there was an opportunity to pull in our local researchers, potential IAB as well as other people from the community and university to understand what we are doing at CVDI• Now that we have expanded to five and soon six universities, the opportunities for locally hosting the IAB Spring or Fall meeting will be every couple of years• So we thought it was important to have a presence for this local interchange (researchers, existing/potential IAB, community/university)• Moving forward, we want to make sure that we are better aligned with our local IAB• We want to have more regular communication with those who are making the investment in our center to make sure that we are delivering on the projects that we are partnering on and want to understand where you want to go in the future so we can align our researchers with this• We can hold local meeting as often as needed (hopefully we can have some of the meetings remotely via conference call)• We will also have more face-to-face meetings• <u>New UL Lafayette IAB Member</u> (Tieto)<ul style="list-style-type: none">• Tieto officially signed up as an IAB partner to the UL Lafayette• This is in addition to their partnership with TUT (Finland)

<p>Introductions</p>	<p>Matt Delcambre (UL Lafayette)</p> <ul style="list-style-type: none"> • Director, Center for Business and Information Technologies (CBIT) • Innovation Managing Director, Center for Visual and Decision Informatics (CVDI) • Works with the CVDI Site Directors, Vijay Raghavan, partner universities and IAB to ensure that there is alignment across all of the partners within the center <p>Mike Lucito (Schumacher Clinical Partners)</p> <ul style="list-style-type: none"> • Business Intelligence Manager • Mike and his business intelligence team have been working closing with Raju Gottumukkala and his research team on Year 6 projects • Schumacher is an IAB member for UL Lafayette <p>Scott Wilson (USGS Wetland and Aquatic Research Center)</p> <ul style="list-style-type: none"> • Chief of the Wildlife and Wetlands program • A lot of the things that they do is heavily computer oriented • In summary, they basically want to take a lot of wildlife cameras that people have out there and do analysis on them to detect the presence and absence of certain species • The next step would actually be to track individual species through time through remote cameras • USGS in a recent new IAB partner for UL Lafayette <p>Sally Johnson (UL Lafayette)</p> <ul style="list-style-type: none"> • IT Project Coordinator for centers under the Informatics Research Institute (IRI) • Works with Matt Delcambre and CVDI performing organization and project management functions <p>Richard Bissonette (CGI)</p> <ul style="list-style-type: none"> • Senior Vice President for Industry Solutions • Responsible for CGI's solutions for healthcare, finance, insurance and utilities • IAB Chair for CVDI • CGI has been an IAB member for at least three years and has two IAB memberships through UL Lafayette <p>Matti Vakkuri (Tieto - Finland)</p> <ul style="list-style-type: none"> • Responsible for Tieto's research cooperation • Head of Technology, Industrial Internet • Has a long history with Big Data • Tieto is the newest IAB member for UL Lafayette <p>Raju Gottumukkala (UL Lafayette)</p> <ul style="list-style-type: none"> • Director of Research, Informatics Research Institute • Site Managing Director, CVDI • Assistant Professor in College of Engineering • Current Principal Investigator on a Year 6 CVDI project <p>Vijay Raghavan (UL Lafayette)</p> <ul style="list-style-type: none"> • Alfred and Helen Lamson/BORSF Endowed Professor in Computer Science • Founder and Center Director of CVDI • Member of multiple CVID research projects over the past years • Current Co-Principal Investigator on two Year 6 CVDI projects <p>Henry Chu (UL Lafayette)</p> <ul style="list-style-type: none"> • Executive Director, Informatics Research Institute • Current Principal Investigator on a Year 6 CVDI project <p>Geoffrey Stewart (UL Lafayette)</p> <ul style="list-style-type: none"> • A member of the Marketing faculty in B.I. Moody III College of Business Administration • Serves in a regional business development capacity <p>Jack Damico (UL Lafayette)</p> <ul style="list-style-type: none"> • Social scientist and professor • Assistant Vice President for Research <p>Jian Chen (UL Lafayette)</p> <ul style="list-style-type: none"> • GIS Applications Manager and research scientist • Current Principal Investigator on a Year 6 CVDI project <p>Khalid Elgazzar (UL Lafayette)</p> <ul style="list-style-type: none"> • Assistant Professor in the Center of Advanced Computer Studies • Current Principal Investigator on two Year 6 CVDI projects <p>Ramesh Kolluru (UL Lafayette)</p> <ul style="list-style-type: none"> • Vice President for Research, Innovation, and Economic Development
<p>CVDI Project Formation Process</p>	<ul style="list-style-type: none"> • <u>Past Process</u> <ul style="list-style-type: none"> • The IAB were surveyed at a "general" level - What are the general areas that interest you? • This information was then pushed out to the researchers where they would develop projects that would meet this criteria • These projects were then presented at the IAB Fall/Spring meetings • The IAB would vote on those projects that they would like to fund • <u>Proposed New Process</u> <ul style="list-style-type: none"> • We would like to move this timeline up a bit • Have more local communication on the proposed projects before the Fall/Spring meetings - so that we're pretty confident on what we want to do going into the meetings • We would then use the IAB Spring/Fall meetings to talk about how we collaborate and share the proposed projects with other IAB and universities

UL Lafayette Research Projects -

Year 6

(2017/2018)

- Have five (5) active projects for Year 6 (UL Lafayette)
- Some Year 6 projects are supported by a single IAB partner and two (2) are supported by multiple IAB partners
- UL Lafayette does not allow research teams to kick off projects or fund students until they have the money in hand

Project ID	Project	Principal Investigator (PI)	IAB Project Mentor	Notes/Updates
6a.020.UL	Data Integrity of Smart City Traffic Infrastructure	Khalid Elgazzar	Sponsored by: CGI No specific person has been identified from CGI as a mentor (may need help identifying mentor)	Project team has made some progress. Khalid gave the meeting attendees a detailed update.
6a.022.UL	Mitigating Concept Drift for Time-Varying Domains Through Adaptive Learning	Jennifer Lavergne & Jian Chen	Sponsored by: Schumacher Mentor: Mike Lucito (Schumacher)	Project team recently met with Mike Lucito
6a.025.UL	An Ontology-based Architecture for Providing Insights	Raju Gottumukkala	Sponsored by: CGI and Schumacher Mentor: Sumit Shah (CGI)	Project team is making progress Did not "officially" hire a student this semester because the required funding was not in place They are still continuing to work with other funding sources and have a PhD student that is currently working on the project A provisional patent on this project has been filed October 2016 and they are currently working on the non-provisional patent. The patent is expected to be final and submitted in about 2-3 weeks.
6a.050.UL	Enabling Mobile Visual Analytics	Khalid Elgazzar	Sponsored by: LITE No mentor	Khalid gave the meeting attendees a detailed update.
6a.060.UL	Detecting and Identifying Wildlife Animals From Images Using Deep Learning	Henry Chu	Sponsored by: USGS Mentor: Scott Wilson (USGS)	Henry met with project mentor, Scott Wilson, yesterday and gave a progress report. Project team is making good progress. Henry have the meeting attendees a detailed update.

Summary of Discussion

The group agreed on the following points:

- Its important to have more local collaboration & coordination
- To hold regular local meetings with IAB, researchers and CVDI (either face-to-face or via conference call/web)
- Decide on projects locally before presented at Fall or Spring meetings
- Its important to find the right researchers for the projects our local IAB are interested in supporting
- Looking for five (5) projects or less to be funded by our local IAB
- Less projects - bigger projects

Notes:

- Some IAB members are primarily interested in projects that can be operationalized/executed by their companies while others are more flexible and expect some "blue sky" projects
- Tieto would like applied research that they don't have at the moment
- Tieto is interested in funding multiple year projects with annual voting/funding (yearly checkpoint)
- Scott said that research should consider the software and skill limitations of the target customer (e.g., state workers may only have MS Office Suites, etc.)
- Need to have a timeline for getting proposed projects decided upon before the Fall Meeting

Closing Remarks

- Ramesh gave closing remarks
 - Thanks the IAB for being there
 - For their steadfast support in shaping what we do and how we do it
 - Is appreciative of the guidance on projects and operations of the center
 - For their financial support