

EXTERNAL ADVISORY BOARD MEETING

April 16, 2014

Attendees:

Wayne Eckerle	Theresa Kotancheck	John Russell
Tina Guldberg+	Rob Maskell	Pete Sigmon
Ron Jackson	Mike McGrath	Ben Wang+
Bill Kessler	Don Mottaz	GTMI Faculty+

Not Present: Stephan Biller, Mike Dudzik, Susan Smyth, Katherine Stevens, Charles Wessner

Georgia Tech Capabilities

The meeting opened with a series of presentations from GT research leaders highlighting GT's grand challenge capabilities, needs, and opportunities to advance.

April 16, 2014 Presentation Topics:

- Big Data and Manufacturing
- Internet of Things (IoT) and Manufacturing
- Cyber Security and Digital Manufacturing
- Georgia Manufacturing Extension Partnership
- Innovation Scale-up Policy
- Machining Process Modeling and Simulation

Presenters:

- [Dr. Richard Fujimoto](#)
- [Mr. Alain Louchez](#)
- [Mr. Andrew Howard](#)
- [Ms. Karen Fite](#)
- [Dr. Jennifer Clark](#)
- [Dr. Shreyes Melkote](#)

In addition, Karen Fite, Director, Georgia Manufacturing Extension Partnership (GaMEP), provided an overview of GaMEP's initiatives and how they are working with the state's 9000 manufactures, businesses and communities to unite with GT to expand Georgia manufactures' competitive position and economic impact.

All presentation slides are available on the GTMI EAB secure website:

<http://www.manufacturing.gatech.edu/external-advisory-board> using the following credential to login:

User: gtmi

Password: T3chnology

AMP 2.0

In the afternoon, Ben Wang provided an overview of the Advanced Manufacturing Partnership (AMP 2.0), its priorities, timeline and the role GT is serving. For further details, see the AMP 2.0 presentation which is available on the GTMI EAB secure website.

GTMI Business Issues

During our last meeting, it was agreed that a standing GTMI EAB topic will be GTMI Business Issues. During this meeting, Ben Wang addressed GTMI's space planning challenges and the tremendous support he has received from Bud Peterson and Stephen Cross to promptly address. Thus far, 2 potential sites have been identified; both are under final review. Student safety and security access are key elements in the final selection criteria. For further details concerning the site options, see the GTMI Business Issues presentation which is available on the GTMI EAB secure website.

GTMI EAB Membership

EAB Bylaws require that our members serve 3 year terms. We currently have 16 EAB members. 14 members were appointed in 2012, 1 in 2013 and 1 in 2014. Assuming that 2/3 of our current members will be reappointed, we will need to identify 3-4 new members for introduction within the next year. With that in mind, Ben Wang asked the members to assist him in identifying possible candidates. As a starting point, he is seeking: 1) a non-GT affiliated academic member and 2) a Department of Energy member. As for the remaining roles, the EAB members recommended that Ben identify leading candidates with aligned expertise/ know-how to fulfill GTMI's vision and Strategic Plan.

Roundtable Discussion

All participating members agreed that the format of the meeting was good and all presentations were excellent.

It was noted that the diversity of the presentations, both at this meeting and our October 2013 meeting,

October 30, 2013 Presentation Topics:

Additive Manufacturing
Bio-inspired Design
Next Generation Fibers
Model-based Systems Engineering
Printed Electronics
Sustainable Manufacturing

Presenters:

[Dr. Suman Das](#)
[Dr. Jeannette Yen](#)
[Dr. Satish Kumar](#)
[Dr. Chris Paredis](#)
[Dr. Chuck Zhang](#)
[Dr. Bert Bras](#)

has served its purpose in educating the EAB members about the depth and breadth of knowledge in critical manufacturing technologies at GT. The key question is what is GTMI's vision? Who are GTMI's leading competitors and collaborators? Which technology areas does GTMI seek to become a global leader? What is GTMI doing to attain that status? What is GTMI's brand?



As a result, the EAB recommended that we utilize our next meeting to address the above questions and in doing revisit GTMI's strategic plan. It is expected that the outcome will serve as a guide for future resource allocation and prioritization.

As for future meetings, members expressed interest in learning what else is being done at GT in manufacturing supply chain & logistics and business development. It was recommended to consider inviting speakers from relevant departments to address.

Action Items:

1. Future EAB Members: EAB members forward potential candidate names to Ben by 4/24/2014.
2. Next Meeting Agenda: Review GTMI Vision and Strategic Plan. Identify areas of research that will strategically position GTMI as a global thought leader in manufacturing. Identify gaps and prioritized resource plans to address, including pool of potential EAB candidates to help fill knowledge gaps/ needs. (Ben Wang/ Tina Guldberg)
3. Schedule Next Meeting (Martha Miller)