Grant Title: **Accelerated Pathways in Advanced Manufacturing (APAM)**

Author: **Community College of Rhode Island**

Link: http://www.ccri.edu/

Document: Advisory Board Minutes

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COMMUNITY COLLEGE
OF RHODE ISLAND

ADVANCED MANUFACTURING ADVISORY BOARD MEETING

WEDNESDAY, DECEMBER 14, 2016, 9:00AM – 9:45AM (breakfast will be provided)
Room 2229 Liston Campus – 1 Hilton Street, Providence, RI

The tentative agenda will include a discussion of some of the following topics along with an opportunity to share your thoughts about the direction of Advanced Manufacturing in the State of Rhode Island.

1. Introduction and welcome from Department Chair: Dr. Philip Miller
2. Open House activity, summer 2016; Ribbon Cutting and Open House Providence: Cynthia Toti
3. TEAMS Event: Cynthia Toti
4. Accreditation process; Competency Based Learning project: Tom Sabbagh
5. Apprenticeship RI: Andrew Cortes, Amy Weinstein, Beth Ashman
6. Round table – open discussion on previous or additional topics

adv; Prov; new initiatives.

Knight Campus
400 East Avenue, Warwick, Rhode Island 02886-1807 • (401) 825-2188 • Fax: (401) 825-2166

Dear Advisory Board,

I am writing to you today asking for your help once again to join us for the third meeting of the Advisory Board for Advanced Manufacturing at the Community College of Rhode Island:

Wednesday, August 3, 2016, 8:00 AM -9:30 AM (breakfast will be provided)

Room 1130 Knight Campus

The tentative agenda will include a discussion of some of the following topics along with an opportunity to share your thoughts about the direction of Advanced Manufacturing in the State of Rhode Island:

1. Introductions, advisory members present, Phil Miller, Cynthia Toti ✓
2. Fall Enrollments Update ✓
3. Spring Scheduling ✓
4. Advertising ✓
5. Cynthia Toti, Symposium, Open Houses, etc. ✓
6. Manufacturing Day Events Oct/7
7. Providence Campus Manufacturing Lab ✓
8. P-Tech in Manufacturing-Westerly High School ✓ IT
9. Announcements ✓
10. Round Table

Oct 7,

JS Jump Start

Scot Jensen

- RIMA

. EB

Matt.

Donna Dias >

Andrew Cortez

John Lombardi

Dual Enrollment

→ 7 I Y gr grades in IT

Advanced Manufacturing Program

Fall 2016

Course code	Course Title	Cap	Enr	Available	Start date	End date	Day(s)	Start time	End Time
ENGR-1030-001	Engineering Graphics	16	9	7	8/31	12/21	M	8:00 am	12:50 pm
ENGR-1030-002	Engineering Graphics	16	5	11	8/31	12/21	WR	1:00 pm	3:30 pm
ENGR-1030-003	**Engineering Graphics**	**16**	**3**	**13**	**8/31**	**12/21**	**R**	**8:00 am**	**12:50 pm**
ENGR-1030-102	Engineering Graphics	16	10	6	8/31	12/21	M	5:00 pm	9:50 pm
ENGR-1030-104	Engineering Graphics	16	9	7	8/31	12/21	R	5:00 pm	9:50 pm
ENGT-2090-001	**Advanced Solid Modeling**	**16**	**3**	**13**	**8/31**	**12/21**	**W**	**8:00 am**	**11:50 am**
ENGT-2090-102	Advanced Solid Modeling	16	10	6	8/31	12/21	M	6:00 pm	9:50 pm
ETCN-1000-001	***Mechanical Industrial Design***	**12**	**0**	**12**	**8/31**	**12/21**	**T**	**1:00 pm**	**4:50 pm**
ETCN-1100-001	**Blue Print Rdg/Mach. Handbook**	**16**	**3**	**13**	**8/31**	**10/28**	**MW**	**9:00 am**	**12:50 pm**
ETCN-1100-102	**Blue Print Rdg/Mach. Handbook**	**16**	**0**	**16**	**8/31**	**10/26**	**MW**	**6:00 pm**	**9:50 pm**
ETCN-1200-001	**Pre.Meas & Geo. Dim. Tolerance**	**16**	**1**	**15**	**10/27**	**12/21**	**MW**	**9:00 am**	**12:50 pm**
ETCN-1200-102	**Pre.Meas & Geo. Dim. Tolerance**	**16**	**1**	**15**	**10/27**	**12/21**	**MW**	**6:00 pm**	**9:50 pm**
ETCN-1300-001	**CNC Machining I**	**16**	**1**	**15**	**10/27**	**12/21**	**TR**	**9:00 am**	**12:50 pm**
ETCN-1300-122	**CNC Machining I**	**16**	**2**	**14**	**10/27**	**12/21**	**TR**	**6:00 pm**	**9:50 pm**
ETCN-2000-001	***Advanced Machining Skills***	**12**	**0**	**12**	**8/31**	**12/21**	**W**	**1:00 pm**	**4:50 pm**
ETCN-2100-001	**Computer Aided Mfg.**	**16**	**0**	**16**	**8/31**	**10/28**	**MW**	**9:00 am**	**12:50 pm**
ETCN-2100-122	**Computer Aided Mfg.**	**16**	**0**	**16**	**10/27**	**12/21**	**MW**	**6:00 pm**	**9:50 pm**
ETCN-2200-001	**CNC Machining II**	**16**	**1**	**15**	**8/31**	**10/28**	**MW**	**1:00 pm**	**4:50 pm**
ETCN-2200-103	**CNC Machining II**	**16**	**1**	**15**	**10/27**	**12/21**	**MW**	**6:00 pm**	**9:50 pm**
ETCN-2250-001	***Lean Manufacturing***	**12**	**0**	**12**	**8/31**	**12/21**	**W**	**1:00 pm**	**4:50 pm**
ETCN-2350-001	***Automated Machining Technology***	**12**	**1**	**11**	**8/31**	**12/21**	**T**	**1:00 pm**	**4:50 pm**
ETCN-2360-001	***Manufacturing Quality Control***	**12**	**1**	**11**	**8/31**	**12/21**	**F**	**1:00 pm**	**4:50 pm**
ETCN-2400-001	***Industry & OSHA-10 Seminars***	**12**	**1**	**11**	**8/31**	**12/21**	**W**	**1:00 pm**	**4:50 pm**
ETEE-1800-001	Digital Systems	16	10	6	8/31	12/21	TR	1:00 pm	2:50 pm
ETEE-1800-106	Digital Systems	16	14	2	8/31	12/21	W	6:00 pm	9:50 pm
ETME-1020-002	**Intro to Mfg. Processes**	**16**	**1**	**15**	**8/31**	**10/28**	**TR**	**8:00 am**	**12:50 pm**
ETME-1020-102	**Intro to Mfg. Processes**	**16**	**0**	**16**	**10/27**	**12/21**	**TR**	**5:00 pm**	**9:50 pm**

Advanced Manufacturing Program

Spring 2017

Course code	Course Title	Cap	Start date	End date	Day(s)	Start time	End Time
ENGR-1030-001	Engineering Graphics	12	1/23/17	5/17/17	T	8:30 am	1:20 pm
ENGR-1030-002	Engineering Graphics	12	1/23/17	5/17/17	R	8:30 am	1:20 pm
ENGR-1030-104	Engineering Graphics	12	1/23/17	5/17/17	T	5:00 pm	9:50 pm
ENGR-1030-106	Engineering Graphics	12	1/23/17	5/17/17	W	5:00 pm	9:50 pm
ENGT-2090-001	Advanced Solid Modeling	16	1/23/17	5/17/17	M	6:00 pm	9:50 pm
ETCN-1100-001	Blue Print Rdg/Mach. Handbook	12	1/23/17	3/24/17	MW	9:30 am	1:20 pm
ETCN-1100-106	Blue Print Rdg/Mach. Handbook	12	1/23/17	3/24/17	WR	6:00 pm	9:50 pm
ETCN-1200-001	Pre.Meas & Geo. Dim. Tolerance	12	3/28/17	5/17/17	MW	9:30 am	1:20 pm
ETCN-1200-106	Pre.Meas & Geo. Dim. Tolerance	12	3/28/17	5/17/17	WR	6:00 pm	9:50 pm
ETCN-1300-001	CNC Machining I	12	1/23/17	5/17/17	R	8:30 am	1:20 pm
ETCN-1300-108	CNC Machining I	12	1/23/17	5/17/17	R	5:00 pm	7:50 pm
ETCN-2100-002	Computer Aided Mfg.	16	1/23/17	3/24/17	MW	8:30 am	1:20 pm
ETCN-2100-122	Computer Aided Mfg.	16	1/23/17	3/24/17	MW	5:00 pm	9:50 pm
ETCN-2200-001	CNC Machining II	16	3/28/17	5/17/17	MW	8:30 am	1:20 pm
ETCN-2200-102	CNC Machining II	16	3/28/17	5/17/17	MW	5:00 pm	9:50 pm
ETCN-2300-106	3D Modeling & Prototyping	16	1/23/17	5/17/17	R	6:00 pm	9:50 pm
ETCN-2500-102	CNC Practicum	16	1/23/17	5/17/17	TR	5:00 pm	5:50 pm
ETME-1020-001	Intro to Mfg. Processes	12	1/23/17	5/17/17	T	8:30 am	1:20 pm
ETME-1020-104	Intro to Mfg. Processes	12	1/23/17	5/17/17	T	5:00 pm	9:50 pm
ETCN-1000-001	Mechanical Industrial Design	12	1/23/17	5/17/17	TBA	TBA	TBA
ETCN-2000-001	Advanced Machining Skills	12	1/23/17	5/17/17	TBA	TBA	TBA
ETCN-2250-001	Lean Manufacturing	12	1/23/17	5/17/17	TBA	TBA	TBA
ETCN-2350-001	Automated Machining Technology	12	1/23/17	5/17/17	TBA	TBA	TBA
ETCN-2360-001	Manufacturing Quality Control	12	1/23/17	5/17/17	TBA	TBA	TBA
ETCN-2400-001	Industry & OSHA-10 Seminars	12	1/23/17	5/17/17	TBA	TBA	TBA

Advanced Manufacturing Program Courses
Fall 2016

ETCN 1000: *Mechanical Industrial Design*	Designed to familiarize the student with components used in mechanical systems. The student will learn how to select components based on system requirements and how to implement the component into the system. Attention is given to currently manufactured components and the use of the manufacturer's sizing and mounting procedures. More specifically the sizing and fitting of these elements based on function, power requirements, life and cost.
ETCN 2000: *Advanced Machining Skills*	This course will expose *Advanced Manufacturing Technology Certificate and Degree** students to as many different computer-controlled machining processes, machine tool set ups, and methods and machining operations as possible. We will introduce additional machining processes and enhance the technical skills and theories learned in other manufacturing certificate courses. The students will acquire the fundamental knowledge and the technical skills needed to become technically proficient. Machining processes covered will include: electrical discharge machining, plasma cutting and computer-controlled welding.
ETCN 2250: *Lean Manufacturing*	Examines Lean Manufacturing and its strategies, using case studies and specified designed Lean labs. Lean tools such as Kaizen events and Value Stream Mapping (VSM) are the ideal tools to achieve breakthrough results. This course will focus on preparatory steps that must be taken to insure achievable, measurable goals and team success. Students to identify and eliminate non-value-added steps, and to learn how performing small incremental steps will improve the company's quality, productivity, and most importantly the bottom line. The class will focus on how to sustain the results attained during Kaizen events over the long-term. The value of the 5s Systems, Set-Reduction and Total Productive Maintenance will be studied.
ETCN 2350: *Automated Machining Technology*	Wire EDM machining, 4 Axis milling, metal selection and Heat Treatment, Plasma-torch technology, robot integration, emphasizing set-up and safety in the work environment are key skills needed for the growing 21st century Advanced Manufacturing workplace. This course will expand skills students have learned in CNC programming (ETCN 1300), using MasterCAM (ETCN 2100), and Engineering Graphics (ENGR 1030). Students will use blueprint reading skills, machine processes skills and information from the Machinery's Handbook to properly set-up and operate these Advanced level machines with confidence.
ETCN 2360: *Manufacturing Quality Control*	An elementary approach to the statistical techniques used in the quality control of manufactured parts. Topics covered include introduction to quality concepts and statistical process control (SPC); introduction to variation and statistics; organization of data; introduction to variable control charts; introduction to metrology; introduction to probability and the normal distribution; introduction to attribute (go/no go) charts; control chart interpretation, and gage capability. This course will also include a lab component which will use software along with actual machined parts to develop the proper control charts, and perform other quality control functions.
ETCN 2400: *Industry and OSHA-10 Seminars*	Working safe in a safe working environment is the highest priority in the 21st century Advanced Manufacturing facility. Students who have been trained so as to receive the OSHA 10-hour card will have an understanding of OSHA and important details concerning a safe workplace. The OSHA 10-hour card shows employers that the student has had a good introduction to safety concerns that are foremost in today's general industry workplace. This course will also provide students with networking opportunities to positive Advanced Manufacturing companies currently using skills that the students are learning and developing in the certificate and A.S degree programs. Industry leaders will address students in the classroom, describe their place in the growing Advanced Manufacturing market and the place for the skills that the students have.

CCRI Advanced Manufacturing Advisor Board Meeting

June 9, 2016

Agenda

- Recent CCRI Initiatives
- Marketing Plan
- Outreach Coordinator Position
- Apprenticeship USA
- New Advanced Manufacturing Certificates and A.S. Degree
- Quick Response Courses
- Student Internship and Job Placement
- Advanced Manufacturing High School P-Tech Program
- Next Steps

Nelipak hired someone as a result of Career Fair – reffered by Justin

The Community College of Rhode Island

Advanced Manufacturing Advisory Board Meeting

Thursday, June 9th 2016, 8:00am – 9:30am, Room 1040

Agenda

Grove-Bin – 2 Students / yr
Committed Apprenship / Internship
DACUM

- Recent CCRI Initiatives
- Marketing Plan
- Outreach Coordinator Position / Accredited ATMAE
  Assoc of Tech Mgt + Applied Eng.
- Apprenticeship USA → Registered
  Wash DC
  Edu Symposium
- New Advanced Manufacturing Certificates and A.S. Degree
- Quick Response Courses
- Student Internship and Job Placement Cynthia
  ("The Bridge") advisory position
  HEZEL
- Advanced Manufacturing High School P-Tech Program
- Next Steps

Outreach Coord.

one apprenship

Pell summer

Network RI

HoCo

Eng 1020

DLT

Cynthia

Work Study

WIA

One-Stops

Off Campus

Sabbagh, Thomas

From: Sabbagh, Thomas
Sent: Friday, July 22, 2016 11:37 AM
To: d.chenevert@swisslineprecision.com; pcary@quickfitting.com; acortes@provplan.org; micdes@taco-hvac.com; sjones@groov-pin.com; Tom Kowalczyk (tomkmit@cox.net); president@ricarbide.com; peterm@ricemachinery.com; kpaolucci@yushin.com; Tony Maneca (tony@artvac.com); tony.picone@mahr.com; donav@tedco-inc.com; richard.d'amico@crbard.com; donna.dias@nelipak.com; billm@mfgri.com; dguillemette@guill.com; Nancy P Martin (nmartin@gdeb.com)
Cc: DiFazio, Chris; Miller, Philip; Woodberry, Peter; Ankrom, Raymond; Mace, Vernon; Hanrahan, Edward; Bernardini, Jerry
Subject: August 3, 2016, Advisory Board

Dear Advisory Board,

I am writing to you today asking for your help once again to join us for the third meeting of the Advisory Board for Advanced Manufacturing at the Community College of Rhode Island:

Wednesday, August 3, 2016, 8:00 AM -9:30 AM (breakfast will be provided)
Room 1130 Knight Campus

The tentative agenda will include a discussion of some of the following topics along with an opportunity to share your thoughts about the direction of Advanced Manufacturing in the State of Rhode Island:

1. Introductions, advisory members present, Phil Miller, Cynthia Toti
2. Fall Enrollments Update
3. Spring Scheduling
4. Advertising
5. Cynthia Toti, Symposium, Open Houses, etc.
6. Manufacturing Day Events
7. Providence Campus Manufacturing Lab
8. P-Tech in Manufacturing-Westerly High School
9. Announcements
10. Round Table

We look forward your input on our programs and how CCRI can be as responsive as possible to developing a skilled advanced manufacturing workforce. **Please feel free to call/email at the contacts listed below to confirm your participation**.

Thank you for considering this important initiative on behalf of the ***Community College of Rhode Island.***

Tom

Thomas Sabbagh, Ph.D.
Program Director
Academic Affairs
Community College of Rhode Island
tsabbagh@ccri.edu

Potential Advisory Board Members

	Name	Company	Location	Phone
✓	John Cronin	Quick Fitting	Warwick	~~#463-7000~~
✓	~~Thomas Hutchinson~~ Dick D'America	Davol	Cranston	#463-7000
✓	Scot Jones	Goov-Pin	Smithfield	# 232-3377
✓	Larry Lefebvre	Chemart	Lincoln	# 333-9200
✓	Christine Long	Eaton Aerospace	Rumford	781-4700
✓	Tony Maneca	ArtVac	Lincoln	# 333-6120
✓	Nancy Martin	Electric Boat	N. Kingston	268-2685
✓	Hudson Pereira	Alcor Scientific	N. Smithfield	495-5270
✓	Dona Vincent	TEDCO	Cranston	461-1118
✓	~~Theodore~~ Theodore Grove	Pilgrim Screw	Providence	274-4090
✓	David Chenevert	Swissline Precision Mfg.	Cumberland	333-8888
✓	John Lombardi	RI Carbide	Smithfield	231-1020
✓	Karen Paoluchi	Yushin America	Cranston	463-1880
✓	Anthony Picone	Mahr Federal	Providence	784-3400
✓	Michelle Desaulniers or Stephanie Arpin	Taco	Cranston	942-8000
✓	Peter McLaughlin	Rice Mfg.	Cranston	781-3010
✓	Steve Illmrud	Hexagon Metrology	N. Kingston	886-2000
○	Tom Kowalczyk	KMRM, LLC	Newport	849-7546
✓	Frank Gulluni,	Asnuntuck	Connecticut	860-~~253~~-3000
✓	Evrett Fernald	Greystone	Lincoln	333-0444
✓	Phillip Hussey	Meister Abrasive	N. Kingstown	294-2530
✓	Greg Silva	Parkinson Tech.	Woonsocket	762-2100
✓	Dezi Halmi	Primary Flow Signal	Cranston	461-6366

Sabbagh, Thomas

From: Sabbagh, Thomas
Sent: Friday, March 11, 2016 12:49 PM
To: Sarah Singer (Sarah@hezel.com)
Subject: FW: list

Hi Sarah,

In response to your earlier email, here is the list of Advisory Board attendees (March 1). An agenda item discussed your role in the TAACCCT-3 grant process. Hopefully, they will remember the conversation when you contact them. We have had a few follow-up, individual meetings with some of the Board members, specially, Scot Jones and Paul Carey; however, most are very anxious to work with CCRI moving forward. Yet, I want to be honest about what has taken place thus far relative to grant activities which appears to have been minimal. I did not have time to local the last four companies contact information but they are located on the web.

Thanks
Tom

d.chenevert@swisslineprecision.com Swissline Precision Mfg. David Chenevert
pcary@quickfitting.com Quick Fitting Paul Cary
acortes@provplan.org Building Futures Andrew Cortes
micdes@taco-hvac.com TACO Michele Desaulniers
~~tom.hutchinson@crbard.com~~ Davol Inc. ~~Thomas Hutchinson~~ Richard D'Amico CRBARD.com
sjones@groov-pin.com Groov-Pin Corporation Scot Jones
tomkmit@cox.net KMRM, LLC Tom Kowalczyk
president@ricarbide.com RI Carbide John Lombardi
peterm@ricemachinery.com Rice Machinery Peter McLaughlin
kpaolucci@yushin.com Yushin America Karen Paoluchi
tony.picone@mahr.com Mahr Federal Anthony Picone
donav@tedco-inc.com TEDCO Inc. Dona Vincent

ArtVac, Tony Maneca – ~~sales~~ Tony @ ARTVAC.COM
~~RI Carbide, John Lombari~~ – ~~president @ RI carbide.com~~
Parkinson Tech., Greg Silva – sales @ parkinsontechnologies.com
Chemart, Larry Lefebvre – LLefebvre @ chemart.com

Richard D'Amico @ CRBARD.com
donna.dias @ NELIPAK.COM
NMARTIN @ gdeb.com
BILLM @ MTGRI.com
dguillemette @ guill.com

Sabbagh, Thomas

From: Thompson, Carol
Sent: Wednesday, February 24, 2016 1:12 PM
To: Sabbagh, Thomas
Subject: list

Here is the list to copy and paste into an email

d.chenevert@swisslineprecision.com Swissline Precision Mfg. David Chenevert
pcary@quickfitting.com Quick Fitting Paul Cary
acortes@provplan.org Building Futures Andrew Cortes
micdes@taco-hvac.com TACO Michele Desaulniers
tom.hutchinson@crbard.com Davol Inc. Thomas Hutchinson
sjones@groov-pin.com Groov-Pin Corporation Scot Jones
tomkmit@cox.net KMRM, LLC Tom Kowalczyk
president@ricarbide.com RI Carbide John Lombardi
billm@mfgri.com Manufacturing RI Bill McCount
peterm@ricemachinery.com Rice Machinery Peter McLaughlin
kpaolucci@yushin.com Yushin America Karen Paoluchi
tony.picone@mahr.com Mahr Federal Anthony Picone
donav@tedco-inc.com TEDCO Inc. Dona Vincent

Carol Thompson
Executive Assistant Academic Affairs
400 East Avenue, Office 4232
Warwick, RI 02886
PH: 401-825-2142
FX: 401-825-2276
COMMUNITY COLLEGE
OF RHODE ISLAND
Knight Campus

CONFIRMED are Circled

Potential Advisory Board Members

	Name	Company	Location	Phone
✓	John Cronin	Quick Fitting	Warwick	~~#463-7000~~
✓	Thomas Hutchinson	Davol	Cranston	#463-7000
✓	Scot Jones	Goov-Pin	Smithfield	# 232-3377
✓	Larry Lefebvre	Chemart	Lincoln	# 333-9200
✓	Christine Long	Eaton Aerospace	Rumford	781-4700
✓	Tony Maneca	ArtVac	Lincoln	333-6120
✓	Nancy Martin	Electric Boat	N. Kingston	268-2685
✓	Hudson Pereira	Alcor Scientific	N. Smithfield	475-5270
✓	Dona Vincent	TEDCO	Cranston	461-1118
✓	Thoedore Grove	Pilgrim Screw	Providence	274-4090 x326
✓	David Chenevert	Swissline Precision Mfg.	Cumberland	333-8888
✓	John Lombardi	RI Carbide	Smithfield	231-1020
✓	Karen Paoluchi	Yushin America	Cranston	465-1880
✓	Anthony Picone	Mahr Federal	Providence	784-3100
✓	Michelle Desaulniers or Stephanie Arpin	Taco	Cranston	942-8000
✓	Peter McLaughlin	Rice Mfg.	Cranston	781-3010
✓	Steve Illmrud	Hexagon Metrology	N. Kingston	886-2000
✓	Tom Kowalczyk	KMRM, LLC	Newport	849-7546
✓	Frank Gulluni,	Asnuntuck	Connecticut	860-253-3000
✓	Evrett Fernald	Greystone	Lincoln	333-0444
✓	Phillip Hussey	Meister Abrasive	N. Kingstown	294-2550
✓	Greg Silva	Parkinson Tech.	Woonsocket	762-2100
✓	Dezi Halmi	Primary Flow Signal	Cranston	461-6366
✓	Andrew Corley			
✓	Bill McCourt			

Advisory Board Notes

- The goal of the Community College of Rhode Island's advanced manufacturing program is to produce students that will be job-ready employees for the manufacturing sector.
- We strive to provide the education and training that will prepare our students to become employees who will require a minimum amount of employer training, are worthy of future investment, and who arrive with the soft-skills necessary to function in the workplace.
- We are aware that no matter how much material we expose our students to, they will require additional specialized training once they arrive on the job.
- If we can minimize the amount of additional training that is necessary and close that readiness gap, it's a win for the student as well as for the employer.
- We know manufacturing has many difference pathways with significant overlap and many that are highly specialized. Are our current training and education programs meeting your business needs?
- At this point in time, CCRI is attempting strike a balance between covering the skills that are overlapping across the industry, specialized skills, skills that produce continuous learners and team players as well as the soft skills that are necessary to work efficiently and effectively in the industry.
- We need you help in establishing that balance.
- We have all heard about the loss of American manufacturing jobs that has impacted your businesses.
- The fact that you are here says that you know what you doing and have figured out how survive and perhaps thrive in the current global manufacturing Industry.
- It is the best interest of CCRI and State of Rhode Island that you continue to be successful.
- So simply stated, how can the Community College of Rhode Island help your businesses to thrive?

Advisory Board Notes

CCRI's goal is to produce students that will be job-ready employees for the manufacturing sector.

This means employees that require a minimum of employer training to get them productive, are worthy of future investment and if possible arrive with the necessary soft-skills.

We know that no matter how much we expose students to they will require additional training once they get on the job.

But if we can minimize the amount of this additional training and close that readiness gap, it's a win for the student and it's a win for the employee.

We have all heard and you have experienced, about the loss of American manufacturing jobs.

The fact that you are here says that you know what you doing and have figured out how survive and perhaps thrive in the current global manufacturing Industry.

It is the interest of CCRI and State of Rhode Island that you continue to be successful.

So simply stated, how can CCRI help you to thrive?

Is are training and education appropriate to your business?

We know manufacturing has many difference pathways; many of which overlap and many that are very specialized.

At this point in time CCRI is attempting strike a balance between covering the skills that are the over lapwings, some specialize skills, the skills that produce continuous learners, team players and soft skills you need in your employees

We need you help is establishing that balance.

CCRI Manufacturing Program Advisory Board Questionnaire

Company/Title:	Name:

	My employees' skills and knowledge must/should/need not include the ability to:	*Must*	*Should*	*Need Not*	*Notes*
1	develop drawings and files using SolidWorks				
2	develop drawings and files using AutoCAD				
3	develop drawings and files using MasterCam				
4	read and produce (mechanical) drawings and blueprints				
5	perform precision measurements of manufactured (parts)				
6	efficiently use the Machinery's Handbook				
7	simulate mechanical designs in SolidWorks				
8	prepare (programs) for CNC machining using G-coding				
9	design for 3D printing and rapid prototyping				
10	setup and operate manual or (conversational programmed CNC) lathes				
11	setup and operate manual or (conversational programmed CNC) mills				
12	setup and operate manual or (conversational programmed) surface grinders				
13	setup and operate manual welding				
14	setup and operate CNC lathes				
15	setup and operate CNC mills				
16	setup and operate CNC (surface grinders)				
17	setup and operate a CNC plasma cutter				
18	setup and operate a wire EDM				
19	setup and operate a CNC laser cutter				
20	setup and operate a 3D printer				
21	setup and operate CNC welding				
22	setup and operate robot systems				
23	setup and program PLC's				
24	perform maintenance on CNC machines ???				
25	perform maintenance on manual machines ???				
26	work with mechanical components such as gears, pulleys, fasteners				
27	work with pneumatic systems				
28	design industrial components				
29	apply LEAN principles to manufacturing				
30	apply quality control principles to manufacturing				
31	receive training for OSHA-10 hour card				
32	other (please specify)				
33	other (please specify)				

Would you like CCRI to follow-up with you relating to any issues in this questionnaire?	

(continue on back if needed)

CCRI Manufacturing Program Advisory Board Questionnaire

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
RI Carbide	S	S	S	M	M	S	S	M	S	M	M	M	N	M	M	M	S	M	S	S	N	S	M	S	S	S	S	S	S	M	M	S	M	
Groov-Pin	S	M	S	M	M	S	S	M	S	M	M	M	S	M	M	M	N	M	N	S	N	S	S	M	M	M	S	S	M	M	S			
Yushin	M	N	M*	M	M	S	S	S	S	M	M	M	S	S	M	S	N	N	N	N	N	M	S	S	S	S	M	M	M	M	S	S	N	M
Yushin II	M	N	M*	M	M	M	M	M	S	M	M	M	S	S	M	S	N	N	N	N	N	M	S	S	S	S	M	M	M	M	S	S	N	M
?	M	M	MS	S	M	M	S	M	S	S	S	S	S	S	S	S	M	M	M	M	M	M	S		S	S	S	S	S	S	S	M	M	
??	M*	M*	M*	M	M	S	S	M	N	M	M	M	N	M	M	M	N	N	N	N	N	N	N	M	M	M	M	N	M	M	M	S	S	
???	M	M	S	M	S	S	S	M	S	S	S	S	N	M	M	M	S	S	S	S	S	S	N	N	S	N	N	N	S	S	S	S	S	

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
Must	5	4	3	6	6	2	1	6	0	5	5	5	0	4	6	4	1	3	1	1	1	3	1	2	2	2	3	2	4	5	2	1	2	2
Should	2	1	4	1	1	5	6	1	6	2	2	2	4	3	1	3	2	1	2	3	1	3	4	3	5	4	3	3	3	2	5	5	2	0
Not	0	2	0	0	0	0	0	0	1	0	0	0	3	0	0	0	4	3	4	3	5	1	2	1	0	1	1	2	0	0	0	0	2	0

1	develop drawings and files using SolidWorks	18	setup and operate a wire EDM
2	develop drawings and files using AutoCAD	19	setup and operate a CNC laser cutter
3	develop drawings and files using MasterCam	20	setup and operate a 3D printer
4	read and produce mechanical drawings and blueprints	21	setup and operate CNC welding
5	perform precision measurements of manufactured parts	22	setup and operate robot systems
6	efficiently use the Machinery's Handbook	23	setup and program PLC's
7	simulate mechanical designs in SolidWorks	24	perform maintenance on CNC machines
8	prepare programs for CNC machining using G-coding	25	perform maintenance on manual machines
9	design for 3D printing and rapid prototyping	26	work with mechanical components (ie. gears, pulleys, fasteners)
10	setup and operate manual or conversational lathes	27	work with pneumatic systems
11	setup and operate manual or conversational mills	28	design industrial components
12	setup and operate manual or conversational surface grinders	29	apply LEAN principles to manufacturing
13	setup and operate manual welding	30	apply quality control principles to manufacturing
14	setup and operate CNC lathes	31	have OSHA-10 certification
15	setup and operate CNC mills	32	have a degree
16	setup and operate CNC surface grinders	33	have an industry creditial or badge
17	setup and operate a CNC plasma cutter	34	other

	My employees' skills and knowledge (must/should/not) include ability to:	Must	Should	Not
1	read and produce mechanical drawings and blueprints	6	1	0
2	perform precision measurements of manufactured parts	6	1	0
3	prepare programs for CNC machining using G-coding	6	1	0
4	setup and operate CNC mills	6	1	0
5	develop drawings and files using SolidWorks	5	2	0
6	setup and operate manual or conversational lathes	5	2	0
7	setup and operate manual or conversational mills	5	2	0
8	setup and operate manual or conversational surface grinders	5	2	0
9	apply quality control principles to manufacturing	5	2	0
10	setup and operate CNC lathes	4	3	0
11	setup and operate CNC surface grinders	4	3	0
12	apply LEAN principles to manufacturing	4	3	0
13	develop drawings and files using AutoCAD	4	1	2
14	develop drawings and files using MasterCam	3	4	0
15	setup and operate robot systems	3	3	1
16	work with pneumatic systems	3	3	1
17	setup and operate a wire EDM	3	1	3
18	efficiently use the Machinery's Handbook	2	5	0
19	perform maintenance on manual machines	2	5	0
20	have OSHA-10 certification	2	5	0
21	work with mechanical components (ie. gears, pulleys, fasteners)	2	4	1
22	perform maintenance on CNC machines	2	3	1
23	design industrial components	2	3	2
24	have an industry creditial or badge	2	2	2
25	other	2	0	0
26	simulate mechanical designs in SolidWorks	1	6	0
27	have a degree	1	5	0
28	setup and program PLC's	1	4	2
29	setup and operate a 3D printer	1	3	3
30	setup and operate a CNC plasma cutter	1	2	4
31	setup and operate a CNC laser cutter	1	2	4
32	setup and operate CNC welding	1	1	5
33	design for 3D printing and rapid prototyping	0	6	1
34	setup and operate manual welding	0	4	3

~~green = 1~~

~~yellow =~~ yellow = 6

Beige = 5

Tan = 4

= 3

= 2

Green = 1

Advanced Manufacturing Technology

Advisory Board Meeting

March 1, 2016

8:00 am – 9- 9:30 am

Knight Campus, **Room 1040**

AGENDA

1. Welcome and Introductions — Jerry Bernardini, Department Chair
   a. Roles of Board
   b. Potential meeting schedule
   c. Comments on the impact of this relationship to CCRI

2. Peter Woodberry, Ph.D., Dean of Business, Science and Technology
   a. Certificates
   b. Degree

3. Thomas Sabbagh, Ph.D., (newly appointed), Interim Grant Program Director
   a. Equipment
   b. Video
   c. Outside consultant survey

4. OPEN DISCUSSION
   a. What is the status of advanced manufacturing in State?
   b. Role of Internships, etc.
   c. Industry speakers
   d. Review of handouts

5. Tour of Lab

Response 18/21

Paul Cary; ~~Quick Fitting~~ ✓ QT Strategies / Consultant

Thomas Hutchinson, Davol ✓

Scot Jones, Goov-Pin ✓ → more meety / Lean Mfg *Lunch

Tony Maneca, ArtVac ✓ DACUM / Manufacturing Day *Lunch

Dona Vincent, TEDCO ✓

David Chenevert, Swissline ✓ Aerospace / "Make RI" Oct 5, 2016

John Lombari, RI Carbide ✓ former Stanley Bostich.

Karen Paoluchi, Yushin America +1 ✓ Dino (CCRI alum)

Antony Picone, Mahr Federal ✓ - 100yr old now Deman Co.

Michelle Desauliniers, Taco ✓

Peter McLaughlin, Rice Mfg. ✓

Tom Kowalczyk, KMRM, LLC ✓

Greg Silva, Parkinson Tech. ✓ Plastics

Andrew Cortez, Building Futures ✓ → + Beth ? Apprenticeship.

William McCourt. RIMA ✓ - involved in grant

Larry Lefebvre, Chemart ✓ Lunch *

~~Beth~~

Pools
- Need employees
- Retaining Employees
- Recession Mailing / Rescinding
- all want to hire
- Soft skills *
- Disc - alignment
- Classes don't fill
- Partnership w/ faculty

P.D.

Faculty
- Ed
- Ray
- Phil
- Mike Amadi - adjunct

Job Fair / Network RI

Sabbagh, Thomas

From: Sabbagh, Thomas
Sent: Thursday, February 25, 2016 10:12 AM
To: 'd.chenevert@swisslineprecision.com'; 'pcary@quickfitting.com'; 'acortes@provplan.org'; 'micdes@taco-hvac.com'; 'tom.hutchinson@crbard.com'; 'sjones@groov-pin.com'; 'tomkmit@cox.net'; 'president@ricarbide.com'; 'billm@mfgri.com'; 'peterm@ricemachinery.com'; 'kpaolucci@yushin.com'; 'tony.picone@mahr.com'; 'donav@tedco-inc.com'; 'tony.picone@mahr.com'
Subject: Advisory Board Agenda
Attachments: Advisory Board Agenda 3.1.docx

We look forward to the upcoming Advisory Board meeting on March 1, 2016 at 8:00am in room 1040. The attached agenda outlines the suggested topics to be presented/discussed.

Thanks
Tom

Thomas Sabbagh, Ph.D.
tsabbagh@ccri.edu
401-825-2072

Sabbagh, Thomas

From: Sabbagh, Thomas
Sent: Friday, February 19, 2016 11:55 AM
To: Woodberry, Peter; Bernardini, Jerry
Cc: Mesolella, Donna; Arruda, Paula; DiFazio, Chris
Subject: Advisory Board meeting 3/1

Peter/Jerry,

I am in the process of confirming the participants of the Advisory Board planned for March 1. So far, I have seven (7) confirmed although I suspect it will grow to ten.

I need to send them, by next Wednesday the latest, an agenda and room location. Would you please forward me your agenda items as soon as possible? I am planning for no more than 1 hour for the first meeting as I have promised everyone.

Thanks
Tom

		Company	Fname	Lname	Title	Address	City/Town	State	Zip Code
1	d.chenevert@swisslineprecision.com	Swissline Precision Mfg.	David	Chenevert		23 Ashton Park Way #A	Cumberland	RI	02864
2	pcary@quickfitting.com	Quick Fitting	Paul	Cary					
3	acortez@provplan.org	Building Futures	Andrew	Cortes					
4	micdes@taco-hvac.com	TACO	Michele	Desaulniers		1160 Cranston Street	Cranston	RI	02920
5	tom.hutchinson@crbard.com	Davol Inc.	Thomas	Hutchinson	Vice President Quality Assurance,	100 Crossings Blvd	Warwick	RI	02886
6	sjones@groov-pin.com	Groov-Pin Corporation	Scot	Jones	CEO	331 Farnum Pike	Smithfield	RI	02917
7	tomkmit@cox.net	KMRM, LLC	Tom	Kowalczyk		9 Beechland Place	Newport	RI	02842-7015
8	president@ricarbide.com	RI Carbide	John	Lombardi		339 Farnum Pike	Smithfield	RI	02917
9	billm@mfgri.com	Manufacturing RI	Bill	McCount					
10	peterm@ricemachinery.com	Rice Machinery	Peter	McLaughlin		104 Pontiac Ave	Cranston	RI	02920
11	kpaolucci@yushin.com	Yushin America	Karen	Paoluchi		35 Kenney Drive	Cranston	RI	02920
12	tony.picone@mahr.com	Mahr Federal	Anthony	Picone		1144 Eddy Street	Providence	RI	02905
13	donav@tedco-inc.com	TEDCO Inc.	Dona	Vincent	President/CFO	70 Glen Road	Cranston	RI	02920

Advisory Committee Meeting Agenda

- Thank you for coming
- Your input is very important to CCRI providing relevant manufacturing education
- Introductions
- Breakfast
- What is the status of the industry?
- Internships
- Apprenticeships
- CCRI certificates
- CCRI A.S. degree
- Industry speakers seminar (four per semester)
- Conclusions
- Lab tour

Handouts

1. Current programs
2. New CCRI A.S. degree and certificates
3. Feedback form –
    a. Suggestions
    b. Speaker
    c. Internships
    d. Apprenticeships
    e. Courses

Questions

Involvement in the program

1. To begin, please tell me a little about your company/organization.

2. Please describe your involvement in the Advanced Manufacturing programs at CCRI. [8, 8.1, 8.2]
   (Probe: new relationship or existing, curriculum development, factors impacting involvement, most and least critical contributions, challenges, successes)

3. What are your future plans for involvement with the Advanced Manufacturing programs? [8, 8.1, 8.2]

   (Probe: curriculum development, hiring, factors impacting involvement)

4. How has/will the program affect your organization?
   (Probe: hiring of workers, different employee skill sets, current employee training)

5. How do you envision the Advanced Manufacturing programs fitting into the future labor market in your region?

Conclusion

5. What is your overall opinion of CCRI's Advanced Manufacturing programs? [8]

   What about the curriculum specifically?

6. Do you have any suggestions for improving the project?

Thank you, that's it for my questions,

7. Is there anything else you'd like to say about the Advanced Manufacturing programs?

Sabbagh, Thomas

To: Hutchinson, Tom
Subject: RE: Engineering and Manufacturing Advisory Board

Hi Tom,

Thank you for getting back to me. We appreciate your willingness to help the College and I look forward to working with you and others on Board. I'll be sure to correct your title.

Tom

Thomas Sabbagh, Ph.D.
tsabbagh@ccri.edu
401-825-2072

From: Hutchinson, Tom [mailto:Tom.Hutchinson@crbard.com]
Sent: Friday, February 19, 2016 11:39 AM
To: Sabbagh, Thomas
Subject: Engineering and Manufacturing Advisory Board

Hello Tom,

I received your letter and then your follow-up voicemail this morning- thank you. I look forward to being there March 1 for the initial meeting.

My current title is VP Regulatory Affairs here at Davol, but I was previously the VP QA at Davol and have been involved in manufacturing in multiple industries in my career.

Best regards,

Tom

Thomas Hutchinson

CBA, CQA, CMQ/OE, MS, RAC, FRAPS
Vice President
Regulatory Affairs
Davol Inc.

100 Crossings Boulevard
Warwick, RI 02886
Direct Phone: 1-401-825-8409
Fax: 1-401-825-8758
www.davol.com

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TRUST

Sabbagh, Thomas

From: Sabbagh, Thomas
Sent: Tuesday, February 23, 2016 3:50 PM
To: 'billm@mfgri.com'
Cc: Woodberry, Peter; Bernardini, Jerry
Subject: Advisory Board Meeting
Attachments: Advisory Board letter.docx

Dear Bill,

On behalf of Dean Woodberry, I would like to extend an invitation to join our Advanced Manufacturing Advisory Board meeting schedule for March 1, 2016, from 8am – 9am. It will be in room 1040 at the Knight Campus.

Thanks,
Thomas Sabbagh, Ph.D.
tsabbagh@ccri.edu
401-825-2072

Tom

Other	First Name	Last Name	Title	Co. Name	Email	Street 1
AA	Larry	Lefebvre	Vice President of Operations	Chemart	larryl@chemart.com	15 New England Way
AA	Daniel	Nadeau	Owner	Cranston Machine Works, LLC	cranstonmachineworks@gmail.com	370 Wellington Avenue
AA	Christine	Long	Human Resources Manager	Eaton Aerospace Group	christinedlong@eaton.com	10 New Road
AA	Howard	King	Manufacturing Engineering Manager	Eaton Corporation	howardaking@eaton.com	15 Pioneer Avenue
AA	Scot	Jones	Design Engineer	Groov-pin	sjones@groov-pin.com	331 Farnum Pike
AA	A. Roger	Guillemette	Ceo	Guill Tool & Engineering, Inc.	arguill@guill.com	10 Pike Street
AA	Philip	Hussey	Production Manager	Meister Abrasives USA, Inc.	philiphussey@meister-abrasives-usa.com	201 Circuit Drive
AA	James	Moore	Manufacturing Manager	Nordson EFD LLC	jim.moore@nordsonefd.com	40 Catamore Boulevard
AA	Theodore	Grove	Vp, Coo	PilgrimScrew Corporation	TedGrove@PilgrimScrew.com	120 Sprague Street
AA	Christian	Cowan	Center Director	Polaris MEP	ccowan@polarismep.org	315 Iron Horse Way
AA	David	Crompton	President/CEO	Quick Fitting Inc.	davidbc@quickfitting.com	30 Plan Way
AA	John	Cronin	Project Manager	Quick Fitting Inc.	john.cronin@quickfitting.com	30 Plan Way
AA	Paul	Cary	Vice President of Operations	Quick Fitting Inc.	pcary@quickfitting.com	30 Plan Way
AA	William	McCourt	Executive Director	RI Manufacturers Association	rima@mfgri.com	The Allied Building
AA	John	Lombari	President	Ricarbide	president@ricarbide.com	339C Farnum Pike
AA	David	Chenevert	President	Swissline Precision Mfg., Inc.	d.chenevert@swisslineprecision.com	23-A Ashton Park Way
AA	Dino	Caparco	Engineering Operations Manager	Yushin America, Inc.	dcaparco@yushin.com	35 Kenney Drive
AA	Breck	Petrillo	Director of Engineering		bpetrillo@ximedica.com	55 DuPont Drive
AA	Frank	Gulluni	Director of Manufacturing Technology	Asnuntuck Community college	fgulluni@acc.commnet.edu	170 Elm Street
AA	Anthony	Picone	President & CEO	Mahr Federal Inc	tony.picone@mahr.com	114 Eddy Street
AA	Gerry	Lussier	Engineering Manager	Mahr Federal Inc	gerry.lussier@mahr.com	115 Eddy Street
AA	Michelle	Desaulniers	Manager of training and development	Taco Inc	micdes@taco-hvac.com	1160 Cranston Street
AA	John	Afonso	Engineering Manager	Greystone	johnafon@greyst.com	7 Wellingto Road

DACUM
Yes
DACUM
need Engr
or Stephanie
Peter McLaughlin, owner Rice Mfg 401-781-3010

Other	First Name	Last Name	Street 2	City	State / Province	Zip	Phone	Mobile	Fax
AA	Larry	Lefebvre		Lincoln	Rhode Island	2865	(401) 333-9200 x225		(401) 333-1634
AA	Daniel	Nadeau		Cranston	Rhode Island	2910	(401) 780-8860		
AA	Christine	Long		East Providence	Rhode Island	2916	(401) 473-2265	(401) 481-3102	
AA	Howard	King		Warwick	Rhode Island	2888	(401) 473-2390	(401) 481-3123	(401) 781-6518
AA	Scot	Jones		Smithfield	Rhode Island	2917	(401) 415-6041	(401) 662-0133	
AA	A. Roger	Guillemette		West Warwick	Rhode Island	2893	(401) 782-0740	(401) 465-8288	(401) 783-1805
AA	Philip	Hussey		North Kingstown	Rhode Island	2852	(401) 294-4503		(401) 294-7594
AA	James	Moore		East Providence	Rhode Island	2914	1 (401) 431-7031		1 (401) 431-7071
AA	Theodore	Grove		Providence	Rhode Island	2907	(401) 274-4090 ext: 326	(401) 274-4090 ext: 626	(401) 861-9890
AA	Christian	Cowan		Providence	Rhode Island	2908	(401) 524-4911		
AA	David	Crompton		Warwick	Rhode Island	2886	(401) 734-9500		(401) 734-9501
AA	John	Cronin		Warwick	Rhode Island	2886	(401) 734-9500	(401) 497-4237	(401) 734-9501
AA	Paul	Cary		Warwick	Rhode Island	2886	(401) 734-9500	(401) 644-4588	(401) 734-9501
AA	William	McCourt	333 Bucklin Street	Providence	Rhode Island	2907	(401) 751-0160		(401) 751-0161
AA	John	Lombari		Smithfield	Rhode Island	2917	(401) 231-1020		(401) 231-1676
AA	David	Chenevert		Cumberland	Rhode Island	02864-482	(401) 333-8888		(401) 333-5100
AA	Dino	Caparco		Cranston	Rhode Island	2920	(401) 463-1800 ext: 3355	(401) 490-4955	(401) 463-1820
AA	Breck	Petrillo		Providence	Rhode Island	2907	(401) 330-3163 ext: 116		(401) 626-3356
AA	Frank	Gulluni		Enfield	CT	6082	(860) 253-3190		
AA	Anthony	Picone		Providence	RI	2905	(401) 784-3100		
AA	Gerry	Lussier		Providence	RI	2906	(401) 784-3101		
AA	Michelle	Desaulniers		Cranston	RI	2920	(401) 333-6120		
AA	John	Afonso		Lincoln	RI	2865	(401) 334-5745		

Sabbagh, Thomas

From: Tom Kowalczyk <tomkmit@cox.net>
Sent: Saturday, December 05, 2015 11:57 AM
To: Sabbagh, Thomas
Cc: ChrisSemo@aol.com; Steve Heath; Nick Logler; Todd Thomas; Patrick Burke; kowalczyk.mike@gmail.com; Deborah Linnell; 'Anita Brouse'
Subject: Advanced Manufacturing Curriculum letter sent by CCRI
Attachments: CCRI Mfg Degree and Certificate Program.pdf

Tom,

We are very interested in joining an advisory board that is focused on bringing Third Industrial Revolution advanced manufacturing skills from the FAB Academy movement to Newport County middle/high schools and the CCRI Newport Campus. We desire to construct a program where students build on a series of stackable credentials starting in middle school.

I have appended your invitation for the benefit of my colleagues.

Please e-mail me some good times for a one hour meeting.

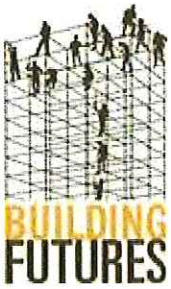
Thanks,

Tom

Tom Kowalczyk
KMRM, LLC
401-849-7546
401-378-8899 (cell)

Sabbagh, Thomas

From: Woodberry, Peter
Sent: Wednesday, February 17, 2016 1:49 PM
To: Sabbagh, Thomas
Cc: Woodberry, Peter
Subject: Contact information for Andrew Cortes



Andrew L. Cortés, Director
39 Manton Avenue
Providence, Rhode Island 02909
401-919-5919 |401-919-5928 fax

Peter N. Woodberry, Ph.D.
Dean of Business, Science and Technology
Community College of Rhode Island
400 East Avenue
Warwick, RI 02886
401-825-2147

Sabbagh, Thomas

From: Tom Kowalczyk <tomkmit@cox.net>
Sent: Monday, February 22, 2016 11:39 AM
To: Sabbagh, Thomas
Cc: ChrisSemo@aol.com; Steve Heath; Deborah Linnell; Jermain, Colleen
Subject: Engineering and Advanced Manufacturing Advisory Board
Attachments: Third Industrial Revolution.docx

Tom,

Thank you for the invitation to sit on the Engineering and Advanced Manufacturing Advisory Board.

I am interested in advancing the establishment of dual enrollment courses aligned with what some people call the Third Industrial Revolution. (Please see the appended article).
The course content comes from the MIT led Fab Academy movement. With Newport as an anchor institution, these courses would be offered statewide.

I would like to lead a sub-group that would work on this topic.

Looking forward to the meeting on March 1, 2016.

Tom

Tom Kowalczyk
KMRM, LLC
401-849-7546
401-378-8899 (cell)

Follow-up Meeting

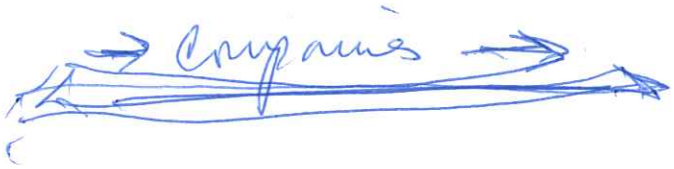
Advisory Board

February 2, 2016 (2:30 pm – 3:30pm)

Agenda

1. Review minutes of meeting (Tom) ✓
2. Review potential current list ✓
3. Review potential new contacts
4. Outline of agenda topics
    a. i.e. organizational meeting ✓
    b. overall planning ✓

Breakfast 8:00 am



AGENDA Minutes

January 25, 2016

10:00 am – 11:00 am

Attendees: Thomas Sabbagh, Peter Woodberry, Jerry Bernardini, Cathy Livingston

Academic Affairs Conference room 4216

1. Advisory Board for Engineering Technology Department
    a. Convening meeting – February 26, 2016
        i. There was general agreement that we should work towards having the first meeting of the Advisory board on this date.
        ii. The agenda will be set by the Department and Chaired by the Dean.
        iii. Tom will coordinate logistics.
    b. Current potential members
        i. Both Jerry and Peter offered a few more names as potential Board members.
        ii. Tom has three names who expressed interested.
        iii. The DACUM participants will be included on Board.
    c. Outreach
        i. Tom will meet with both Jerry (and perhaps Peter) and Ray to review a list of potential advisory board members.
        ii. Membership considerations must include business owners or principals, diverse manufacturers, and geographic considerations.
2. ATMAE, Association of Technology Management and Applied Engineering
    a. Vs. ABET
        i. Tom provided justification for ATMAE based on experience and personal knowledge of ATMAE. He explained their organization and referred to several documents that point to

ATMAE's credentials in accrediting programs as well as their expanding reputation in this area.

ii. It was generally agreed that the Department will seek this accreditation; the grant will pay for the upfront costs.

b. ETST, compliance

i. Tom completed and distributed (handout) to the group an analysis of the current ETST program with ATMAE, Associate Degree requirements; the ETST program is compliant in all areas except one as noted.

ii. Jerry will work towards preparing a new AS, Advanced Manufacturing Degree, along with certificates. Unless there are significant changes in the broad categories of the new AS program, it should also be compliant.

c. Timeline and Process; handbook, etc.

i. (handout on Timeline and Process) handbook to be ATMAE handbook to be distributed to both Peter and Jerry; Tom reviewed the documents at the meeting and explained the process including costs.

3. ETST curricular changes

a. ATMAE

i. Jerry will prepare the curricula changes for a new AS Advanced Manufacturing degree program and certificates. This paperwork and associated materials will be ready for the February curriculum meeting and follow the process outlined by Jerry for final approval.

ii. Tom will engage ATMAE in the application process, begin to dialog about consultants, and coordinate any other initial activities for accreditation according to the timeline and process.

b. DACUM

i. Some of the DACUM participants will be asked to serve on the Advisory Board.

ii. The DACUM report was distributed to the committee members by Cathy

c. Equipment
    i. All equipment for the program needs to be delivery by March of 2017.
    ii. It was agreed by Jerry and Peter that all new equipment requests were directly associated with the learning objectives of DACUM
d. Curriculum committee approval
    i. See above, but a discussion by Peter about the need to get approval by the Higher Education may be necessary especially if any new badges are developed.

4. Updates from Cathy

I am writing to you today asking for your help on behalf Dr. Peter Woodberry, and the faculty of the Department of Engineering to be member of our *newly* formed ***Advisory Board*** for Engineering and Advanced Manufacturing.

Presently, we have two members from area businesses who have volunteered to join the Board but we would like a minimum of 8-10 active members in total. We envision that the Board would meet no more than 2-3 times per year at the Community College of Rhode Island.

To that end, we have tentatively scheduled an inaugural meeting on

Tuesday, March 1, 2016 at 8:00 am (breakfast will be provided)

I realize that you are very busy so that these meeting will NOT be long, no more than 1-hour and they will agenda driven. I look forward to speaking with you in the near future about your interest in participating on this date but if you are able to commit, please feel free to call/email at the contacts listed below.

Thank you for considering this important initiative on behalf of the ***Community College of Rhode Island***.

Thomas M. Sabbagh, Ph.D.

Last	First	Prefix	Mid	Suffix	Class	Title		Organization	Address 1	Address 2	City	ST	Zip	email	Phone 1	Phone 2
Brennan	Laura				ENGR		Engineering	Rhodes Technologies	498 Washington St		Coventry	RI	02816		401-262-9200	
Cary	Paul	Mr.			ENGR		Engineering	Quick Fitting, Inc.	30 Plan Way		Warwick	RI	02886	pcary@qui	401-734-9505	
Chenevert	David	Mr.			ENGR		Engineering	Swissline Precision Mfg.	23 Ashton Park Way # A		Cumberlan	RI	02864	d.chenever	401- 333-8888	
Cortez	Andrew				ENGR		Engineering	Building Futures	39 Manton Ave		Providence	RI	02909	acortes@p	401-919-5919	
D'Amico	Dick	Mr.			ENGR		Engineering	DAVOL	100 Crossings Boulevard		Warwick	RI	02886	richard.dar	800- 556-6275	
Desaulnier	Michele	Ms.			ENGR		Engineering	TACO	1160 Cranston St.		Cranston	RI	02920	MicDes@T	401-942-8000 x220	
Dias	Donna				ENGR		Engineering	Nelipak	21 Amflex Drive		Cranston	RI	02921	donna.dias	401-946-2699	
Hussey	Phillip	Mr.			ENGR		Engineering	Meister Abrasive	201 Circuit Dr.		North King	RI	02852	philiphusse	401-294-2530	
Jones	Scot	Mr.			ENGR		Engineering	Groov Pin	331 Farnum Pike		Smithfield	RI	02917	sjones@gr	401-232-3377	
Kowalczyk	Thomas				ENGR		Engineering	KMRM, LLC	9 Beechland Place		Middletowr	RI	02842	tomkit@cc	401-849-7546	
Lemieux	Jim				ENGR		Engineering	Teknor Apex	505 Central Ave		Pawtucket	RI	02861		401-725-8000	
Lombari	John	Mr.			ENGR		Engineering	RI Carbide	339 Farnum Pike		Smithfield	RI	02917	president@	401-231-1020	
Maneca	Tony	Mr.			ENGR		Engineering	ArtVac	17 New England Way		Lincoln	RI	02865	tony@artv	401-333-6120	
Martin	Nancy	Ms.			ENGR		Engineering	General Dynamics/Electric Boat	165 Dillabur Avenue		North King	RI	02852	nmartin@g	401-268-2685	
McCourt	Bill				ENGR		Engineering	RI Manufacturer's Association	85 Douglas Pike		Smithfield	RI	02917	billm@mfg	401-751-0160	
McLaughlir	Peter	Mr.			ENGR		Engineering	Rice Machinery	104 Pontiac Ave		Cranston	RI	02920	peterm@ri	401-781-3010	
Medeiros	Elizabeth				ENGR		Engineering	Umicore Thin Film Products	50 Sims Ave		Providence	RI	02909		401-456-0800	
Paolucci	Karen	Ms.			ENGR		Engineering	Yushin America	35 Kenney Dr.		Cranston	RI	02920	kpaolucci@	401-463-1800	
Picone	Anthony	Mr.			ENGR		Engineering	Mahr Federal	1144 Eddy St.		Providence	RI	02905	tony.picon	401-784-3100	
Vincent	Dona	Ms.			ENGR		Engineering	TEDCO	70 Glen Rd.		Cranston	RI	02920	donav@te	401-461-1118	

COMMUNITY COLLEGE
OF RHODE ISLAND

ADVANCED MANUFACTURING ADVISORY BOARD MEETING

WEDNESDAY, DECEMBER 14, 2016, 9:00AM – 9:45AM
Room 2229 Liston Campus – 1 Hilton Street, Providence, RI

An Advisory Board meeting for the Advanced Manufacturing programs was held on December 14, 2017.

In attendance were:

CCRI Faculty and Staff:
Dean Peter Woodbury, Department Chair Philip Miller, Instructors: Jerry Bernadini, Paul Sardinha, Ed Hanrahan, Ray Ankrom, TAACCCT III Program Director Thomas Sabbagh, Outreach Coordinator Cynthia Toti

Employers:
Dave Chenevert – Swissline Precision
Karen Paolucci and Dino Carparco – Yushin America
Dick D'Amico – Davol Bard
Dona Vincent – TEDCO

Apprenticeship RI – Andrew Cortes, Amy Weinstein, Beth Ashman

Discussion Items:

1. Introduction and welcome from Department Chair: Dr. Philip Miller
2. Open House activity, summer 2016; Ribbon Cutting and Open House Providence: Cynthia Toti
3. TEAMS Event: Cynthia Toti
4. Accreditation process; Competency Based Learning project: Tom Sabbagh
5. Apprenticeship RI: Andrew Cortes, Amy Weinstein, Beth Ashman – program updates
6. Round table – open discussion on previous or additional topics

Other Topics of Discussion:

1. RIMA changes – Make RI is now led by Barbara Jackson under direction of Dave Chenevert, and they are partnered with Apprenticeship RI for CNC, QC, Toolmaking and possible maintenance apprenticeships. Dave stated there are multiple training options for these roles: CCRI, NEIT and others.
2. Tom Sabbagh discussed Competency Based Education project and Andrew Cortes is interested to work with CCRI on that project.