UNIVERSITY OF WISCONSIN PARKSIDE

COLLEGE OF BUSINESS, ECONOMICS, AND COMPUTING

Advisory Board

February 15, 2018

Alumni Room ♦ Student Center

UW-Parkside Campus

College of Business, Economics, and Computing
Advisory Board Meeting
Alumni Room, Student Center
UW-Parkside Campus
February 15, 2018
4-7 p.m.

1. Welcoming remarks (4 p.m.)
   a. Jim Kettinger, Chair
   b. Dirk Baldwin, Dean
   c. Welcome New Members:
      i. Terry DeBrabander, New Resources Consulting
      ii. Kristin Fritz, Rockwell Automation
      iii. Doug O'Reilly, Uline
2. University Update
3. Discussion Topic: Updating CBEC programs for Industry 4.0 (4:30)
   a. Current Initiatives (see information below)
      i. Connected Systems Institute (with UW-Milwaukee)
      ii. Gateway – Industry 4.0 Curriculum
      iii. Reno Delegation Visit (January 19th at UWP and 20th at Gateway)
      iv. Current Curriculum
   b. CBEC Program Response
      i. Should vision/goals reflect Industry 4.0? Do we need a UWP brand related to industry 4.0?
      ii. Related to a bachelor's or master's degree, what are the learning goals for industry 4.0?
      iii. What are some potential changes in our curriculum?
4. Dinner and Continued Discussion (5:30)
5. University and CBEC News (6:15 p.m.)
   a. CBEC Outstanding Graduates
   b. International News
      i. Trips to India
      ii. High School Partnerships
      iii. University Partnerships
      iv. Internships
   c. Faculty/Staff Updates
   d. MBA Program Updates
   e. Small Business Development Center
      i. 2017 statistics
      ii. $100,000 exporting grant
   f. Innovation Corridor Updates
      i. Plans

   ii. Fundraising
  g. Graduate Business Student & Alumni Association Donation
  h. Wisconsin Manufacturing Council Mini Business World Event
  i. Wisconsin Science and Technology Symposium
  j. Business Management FLEX Degree
  k. Participation in the Racine Unified School District See Your Future Expo
  l. Participation at 5th Annual Summit on Regional Competiveness (Chancellor Ford article)
  m. 2017 Internship Fair Highlights and Career Fair
  n. CBEC Students Attend Future 50 Awards
  o. Kenosha Start-up Week
6. Enrollment Data

Appendices

Advisory Board Meeting Minutes – 10/05/17
Advisory Board Bylaws
Advisory Board Members – 2018

New Advisory Board Members

Terry DeBrabander has been with the Management Consulting Group of New Resources Consulting for three years. In this position, he uses the knowledge and skill learned through his extensive career to organize and drive sustainable improvements in various contract positions, primarily in the Information Security and Technical Infrastructure space. Terry has also served as Information Systems Director at Racine County, Director of IT Operational Excellence at Snap-On, and Senior Director of Strategic planning at CNH Global. Terry has a long history of supporting CBEC programs. Terry has been actively involved with Information Technology Practice Center (ITPC) since 2002. Also, during the spring of 2010, Terry took the leadership role in working with a review team in evaluating the Computer Sciences Program from the Business/Industry perspective. Terry was honored by UW-Parkside's chapter of Beta Gamma Sigma for his contributions. Terry has a bachelor's degree from UW-Whitewater in Management Computer Systems.

Kristin Fritz is vice president of Human Resources, Architecture & Software (A&S), Strategic Development (formerly called Advanced Technology) and Headquarter functions (Human Resources, IT, Finance, Office of General Council, Corporate Development). In this role, she is responsible for HR leadership to ensure the continued alignment of the talent strategies necessary for these groups to help realize Rockwell's Connected Enterprise vision. In 2017, Kristin began serving as a key member of the leadership team for Academy of Advanced Manufacturing, a partnership between Rockwell Automation and Manpower Group, which recruits and trains United States Military Veterans for the position of "technician" in US manufacturers.

Prior to joining Rockwell, Kristin was VP of Human Resources at Golden Books. Kristin has an MBA and a bachelors in Business Management degree from UW-Parkside. In addition, she has spent time in the United States Army Reserves.

Doug O'Reilly is IT Director of Supply Chain Systems at Uline. Doug is a Marquette graduate with 18 years of experience in the IT field and has lived in Kenosha with his wife and 2 kids for the past 12 years. His career has consisted of 14 years working at AonHewitt and the past 4 Years working at Uline across many types of IT projects.   His focus has always been to provide the leadership needed to build best in class systems that provide a modernized scalable platform for the business. Communication of the IT world to the business world has always been one of his most important skills. Constantly reading and learning new technologies and being aware of the latest tools are important to his development and personal growth. Doug frequently Volunteers thru Code.org to educate schools and students on the value and need for future developers. When not working you can always find him not far from the golf course working to concur this evil game of evasive perfection. The rest of his personal time is spent with his family following the kids on their quest of golf, volleyball, biking trails and swimming.

Updating CBEC Programs for Industry 4.0

Current Initiatives

Connected Systems Institute

UWM STARTS CONNECTED SYSTEMS INSTITUTE WITH $1.7 MILLION FROM ROCKWELL AUTOMATION (from [UW Milwaukee New Release](#))

NOVEMBER 1, 2017

MILWAUKEE _ University of Wisconsin-Milwaukee Chancellor Mark Mone announced a $1.7 million gift from Rockwell Automation to support a new Connected Systems Institute at UWM. The institute will be the first of its kind in the state.

"I am thrilled to partner with Rockwell Automation on this groundbreaking endeavor, and I am deeply grateful for their visionary support," Mone said. "This gift builds on the many different partnerships we have with Rockwell Automation, and we value that involvement. Connected systems – or the internet of things – is a technological evolution that is infiltrating every facet of our lives, and it has powerful implications for all industrial sectors. I believe this institute will be a game-changer for businesses in southeastern Wisconsin and the entire state."

The multidisciplinary Connected Systems Institute (CSI) will focus on the industrial internet of things (IIoT), which uses sensors to gather data from equipment, machines, and manufactured products through secure data networks. The CSI will build on existing collaborations between UWM's College of Engineering & Applied Science and its Sheldon B. Lubar School of Business, along with other academic units at UWM and other UW System universities. By providing undergraduate, graduate, professional, and executive education, research and programs, the institute will develop talent, expertise and solutions to lead companies to greater productivity through IIoT technologies and applications.

Blake Moret, Rockwell Automation president and CEO, said that the wide range of disciplines at UWM makes it ideal for this partnership.

"Rockwell cares about the communities where we live and work and believes strongly that it is important that we be a strong community partner," Moret said. "The Connected Systems Institute is a multidisciplinary program that will enable students to learn skills not only in technology but also in business, and the breadth of courses and research at UWM makes it a perfect fit. We are looking forward to continuing our relationship and working with other

members of this institute. I'm more optimistic than ever about the future of our work together."

Adel Nasiri, associate dean for research and a professor in UWM's College of Engineering & Applied Science, has headed up the planning phase for the institute. A planning grant from Rockwell Automation allowed Nasiri and the UWM planning team to study firsthand leading IoT institutes and centers in Germany, China, Taiwan, Singapore and the United States.

"There's currently a gap between industry on the one hand and research and education on the other," Nasiri said. "The Connected Systems Institute will serve as a central point where industry representatives and scholars can collaborate on industrial IoT technologies. As a global manufacturing center, Milwaukee is an ideal location for this consortium."

The Connected Systems Institute, to be centrally located at UWM, will house state-of-the-art IoT simulation, emulation, test bed and test plant facilities, where participating companies may test end-to-end production solutions.

UWM and Rockwell Automation have a long history of collaboration. Many UWM alumni are employed at Rockwell Automation, making the university the largest educator of the company's workforce. Its chapter of UWM's Panthers@Work program fosters camaraderie among UWM student interns and alumni employees. In 2010, the company made a gift to UWM's Lubar School of Business to establish the Rockwell Automation Endowed Chair in Supply Chain Management held by Anthony Ross.

Rockwell Automation's gift to the Connected Systems Institute supports UWM's comprehensive fundraising effort, named Made in Milwaukee, Shaping the World: The Campaign for UWM. Focused on raising support for students, research, and community engagement, the campaign has a goal of $200 million, the largest in UWM's history.

Vision for Connected Systems Institute

- To establish an internationally recognized, multidisciplinary institute on connected systems in collaboration with industry leaders and academia.
- The Institute will benefit the participating members in conducting advanced research, training talents, and connecting member companies.

Mission

- To coordinate and facilitate scholarship and educational activities.
- To conduct applied research promoting greater efficiency, responsiveness, reliability, security, and agility.
- To establish unique state-of-the-art Industrial Internet of Things (IIoT) simulation/emulation/testbed/test plant facilities covering end-to-end from suppliers to customers.
- To train highly skilled workforce.

CSI Initial Focus

- IIoT within factories and plants
- Asset management
- Connectivity for product life cycle
- Infrastructure
- Virtual and augmented reality
- Transportation and connected vehicles
- Connected health systems
- All elements include data science, network, visualization, and cybersecurity

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CSI Research Focus

Specific Industry: Manufacturing; Water; Oil & gas; Life sciences; Packaged food and beverage; Smart cities and infrastructure; Grid interface, energy efficiency, and smart grid.

Business Platform: Business Intelligence (BI); e-Commerce; Supply chain management; Advanced manufacturing; Organization design and culture to support integrated systems.

Networks & Control: Monitoring and controls; data science, Big data; Cybersecurity; Computing and computer science.

Devices & Hardware: Hardware for connectivity; Embedded systems, Hardware in the loop.

Basic Research: Advanced and real time sensors for IoT; Computational studies; Security algorithms and mechanisms.

- Course 1: Introduction to Mechatronics
- Course 2: Introduction to Industrial Control Systems
- Course 3: Introduction to Industrial Robotics
- Course 4: Introduction to Industrial Internet of Things (IIoT)
- Course 5: Digital Electronics
- Course 6: Introduction to Data Analytics
- Course 7: Lean Manufacturing

Program Outcomes

1. Apply state and national safety rules to the manufacturing systems environment.
2. Analyze automation within a complex manufacturing system.
3. Manage advanced manufacturing systems for operational efficiency and cost control.
4. Analyze technical specifications for implementation of manufacturing systems, modules, and components.
5. Use a PID control system to achieve a desired outcome in a manufacturing outcome.
6. Integrate industrial robotic systems into manufacturing processes.
7. Apply electronic principles to devices within a complex manufacturing systems.

Course 1: Introduction to Mechatronics

1. Examine the basic principles of advanced manufacturing
2. Adhere to basic safety in the manufacturing environment
3. Interpret prints and drawings
4. Investigate the principles of mechanical energy
5. Investigate the components of mechanical drives
6. Examine the components of fluid power
7. Explore basic electricity, AC/DC
8. Analyze the operation of electrical relay control

Course 2: Introduction to Industrial Control Systems Course Competencies

1. Discover industrial controls systems
2. Perform basic robot programming
3. Perform basic CNC programming
4. Perform basic programmable controller programming
5. Investigate basic Ethernet communications
6. Operate VFD motor control
7. Explore electronic sensors
8. Apply industrial manufacturing controls to a basic automated system

Course 3: Introduction to Industrial Robotics

1. Operate a robot system
2. Manipulate a robot arm
3. Calibrate a tool

4. Calibrate a work object
5. Develop a robot program with joint motions
6. Develop a robot program with linear and circular motions
7. Develop a structured program

Course 4: Introduction to Industrial Internet of Things

1. Explore the technology used in the Industrial Internet of Things (IIoT)
2. Examine smart sensor technology
3. Examine components of the industrial network
4. Use cloud-based technology to collect internal data
5. Explore data analytics tools
6. Investigate the use of collected data to influence manufacturing process

Course 5: Digital Electronics

1. Basic logic devices
2. Decimal and commonly used number systems
3. Digital arithmetic
4. Use of test equipment
5. Identifying various logic families
6. Analyze complex logic integration
7. Analyze flip-flop and related circuits

Course 6: Data Analytics

1. Acquiring data from database
2. Acquiring raw data from various devices
3. Organizing data for analysis
4. Creating accurate data models
5. Modeling data for analysis using the Python programming language (Pre-req required)
6. Creating visualizations using Python libraries
7. Creating visualizations using commercial software packages
8. Analyzing data to make business decisions

Course 7: Lean Manufacturing

- **Introduction to Lean Manufacturing (5 Hrs.)**
  - o Definition of lean manufacturing
  - o Definitions of value added and waste
  - o Eight types of waste
  - o Core Elements of Lean (House of Lean)
  - o Characteristics of Lean Culture
  - o Methods of continuous improvement
  - o Definition of 5S
  - o How to perform 5S
- **Visual Workplace (5 Hrs.)**
  - o Definition/Benefits of Visual Workplace
  - o Elements of Visual Factory

- o Selection of Visual Elements
- o Assigning Workplace item and location addresses
- o Visual Documentation
- o Visual Controls
- o Visual Production Indicators
- o Sustaining Visual factories
- **Standardized Work (5 Hrs.)**
  - o Definition/Benefits of Standardized Work
  - o Types of standards
  - o Interpreting Production Capacity Sheets
  - o Interpreting Standardized Work Combination Table
  - o Interpreting Work element sheet
  - o Interpreting Standardized work chart
  - o Communicating Standards
  - o Improving Standards
- **Value Stream Mapping (10 Hrs.)**
  - o Definition/Application of Value Stream Mapping
  - o Defining customer value
  - o Kano model application
  - o Product family matrix application
  - o Application and use of SIPOC diagram
  - o Application and use of Swim Lane chart
  - o Current state/future state analysis
- **Kaizen (10 Hrs.)**
  - o Definition/application of Kaizen
  - o Steps of Kaizen event
  - o Planning a Kaizen event
  - o Conducting a Kaizen event
  - o Performing a Time and motion study
  - o Preparing an A3 report
  - o Bottleneck application
  - o Lead time reduction application
- **Poka Yoke (10 Hrs.)**
  - o Definition/application of Poka Yoke
  - o Definition of defect and error
  - o Defect levels/ Inspection methods
  - o Elements/ Methods of Poka Yoke
  - o Types of Poka Yoke Devices
- **Introduction to Lean Production (10 Hrs.)**
  - o Definitions of Takt time, cycle time
  - o Definitions of lead time, throughput
  - o Structure of manufacturing orders
  - o Scheduling methods (push, pull, MRP II)
  - o Kanban scheduling operation and application
  - o Use of cycle stock, safety stock, buffer stock
  - o Point-of-use/ supermarket storage applications
  - o Heijunka scheduling operation and application
  - o Line balancing

- o   Flow and Cellular Production
- **Total Productive Management (5 Hrs.)**
  - o   Definition/Benefits of TPM
  - o   Elements of TPM
  - o   Overall Equipment Effectiveness (OEE) Measurement
  - o   6 types of losses that affect OEE
  - o   Methods of eliminating losses
  - o   Definition of autonomous maintenance
  - o   Implementation of TPM
  - o   Machine cleaning methods
  - o   Inspection methods
- **Setup Reduction (5 Hrs.)**
  - o   Definition/Benefits of Setup Reduction/ SMED
  - o   Standard phases of setup
  - o   Steps of SMED
  - o   Setup reduction Analysis
  - o   Setup reduction methods
  - o   Tracking results

UNIVERSITY OF WISCONSIN PARKSIDE

QM 319 - 001 Operations Management Principles

MW 2.00 to 3.22 PM, MOLN D137

Syllabus and Course Schedule

Instructor:	**Abey Kuruvilla, Ph.D**
Contact Information:	abey.kuruvilla@uwp.edu
	(262) 595 - 2105
	Office: MOLN 326D
	Alt Email: abeykuruvilla@gmail.com
Office Hours:	By Appt/W - 1.00 to 2.00 PM and 3.30 to 5.00 PM
	and on skype – abey.kuruvilla
Text Book:	"Operations Management" by Dan Reid and Nada Sanders,
	4th Edition, Publisher: McGraw Hill 2007
	"The Goal" by Eliyahu Goldratt
Prerequisites:	QM 210 Business Statistics or equivalent.

Course Overview:

Operations Management encompasses the fundamental action of an organization – the provision of goods and services. This course will cover a number of techniques ad methodologies as well as theory related to the design, development, analysis and management of operations. The central concepts of Quality, Capacity, Forecasting, Inventory, Scheduling and control will provide the framework within which these techniques and methodologies are introduced. Newer concepts like Lean Operations and Six Sigma will be introduced.

Course Objectives:

1. To get acquainted with operations terminology and concepts.
2. To understand the role played by the operations function in a manufacturing or service organization and its relation to other functional areas
3. To become familiar with different tools and techniques available to managers for directing the day-to-day operations of a business or department
4. To understand necessary improvements in the organization's operations in order to be competitive in the changing global markets.
5. To be able to analyze a range of Operations decision situations and apply the appropriate decision-making techniques
6. To apply the tools and techniques taught in class to a real life community project where actual ongoing problems are addressed.
7. To develop Presentation, Teamwork, Discussion and Report writing skills.
8. To appreciate and develop diversity skills in the business world.

Assessment:

Objectives 1, 2, 3 and 4 will be assessed through exams and homework assignments.
Objective 5 will be assessed through in-class case studies and through the online book discussion.
Objective 6 will be assessed through a team project.
Objective 7 and 8 will be assessed through the project and group presentation and report.

Guidelines for "The Goal" Assignment – Due March 14th.

You will be writing a 5 page book report on the book The Goal. This will carry 10% of your grade and is considered to be the Major Assignment for this course. You may use the following guidelines:

Times New Roman, 1.5 space, 12 font.
Format::   Intro and book Summary – 1 page
               Examples of Businesses using TOC – 1 page
               Application in your own business/project report/life – 2 pages
               Conclusion and Future Implications of TOC – 1 page

	Tentative Course Schedule	
Date	**Material to be covered**	**Type of Decision**
Feb 1	Introduction to Operations Management	Strategic
	Operations Strategy and Competitiveness	
Feb 8	Product Design and Process Selection	
Feb 15	E-Commerce and Supply Chain Management	
	Finalize Community Project Partner/Objectives	
Feb 22	Management of Quality and TQM	
Feb 29	Statistical Quality Control	
March 7	Just in Time and Lean Systems	
March 14	Guest Speaker	
	Exam 1 (Chapters 1-6)	
	The Goal Paper Due	
Mar 21	Spring Break	
Mar 28	Forecasting	
	Inventory Management	

April 4   Scheduling/Project Week

April 11   Project Management

April 18   Project Presentations

                                                                          Tactical
April 25   Guest Speaker
                  Project Finalization Week

May 2   Wrap-Up/Last date to turn in Project Report
May 5   1:00 to 3:00 PM   Exam II (Chapters 7,8,12-16)

Class Policies
(Changes may be made to the class policies according to the discretion of the instructor)

Assignments: Assignments are due one week after they are announced. Late assignments will lose 20% of the credit per day, and are invalid after 4 days.

Team Project: Each team will use one or a combination of tools and techniques we learn in class, to solve a problem that represents a real life situation for a business. This could be a problem you are facing at work. The project should result in a report that includes objective, discussion, interpretation with management tools, conclusions and references. The project will culminate in a team power point presentation. Project Guidelines are handed out in a separate document.

Examinations: The written exams will consist of a qualitative part (which will be closed book & closed notes – No laptops/Phones) and a quantitative part (open book & open notes – No laptops) Students will complete the closed book part before starting on the open book/notes part. Make-up exams will be given **only under unavoidable circumstances or emergencies and they will be harder.**

Guest Speakers: We will have guest lectures/speakers depending on availability.

Your final grade will be determined using the following weights.

Examination I + II	40%
Major Assignment – The Goal	10%
Participation	10%
Minor Assignments/Speakers	5%
Project	25%
Case Studies	10%

Extra Credit can be earned through the following means:

Meet Professor during office hours	2%
Bring High Caliber Speaker to Class	2%

Present Project Report at Symposium   2%

Grading Scale: Students must assume that the grading scale is as follows:

94 – 100% - A	87 – 89% - B+	77 – 79% C+	<70% - F
90 – 93 % - A-	84 – 86% - B	74 – 76% C	
	80 - 83% - B-	70 – 73% C-	

QM 319 - Final Project Paper and Presentation Guidelines
Introduction:

Your project needs to be the analysis of a real life situation using one or a combination of any of the tools/topics in Operations Management we discuss in class. This could be a problem you are facing at work, or a process improvement offer you made to a small business in the area. There are four components to this: The questions you ask (as in, the breadth and depth of the problem and the approach you choose), the analysis and relevance of tools you adopt for solving the problems, the group presentation and the report itself. Since this will be a group project, you are expected to ask questions that require a group of business students to work together *and* as individuals for a period of one semester. It is also your responsibility as a business student to show promptly that your results are worthwhile, through the presentation, feedback from the client and the written report. The project will result in a report that includes objective, discussion, interpretation with management tools, conclusions and references and will culminate in a team presentation.

You will be rated on:

1. The questions you asked and the approach (10 points)
2. The method, understanding and relevance of tools you adopted (20 points)
3. The data you gathered and analysis thereof (20 points)
4. The 15 minute team presentation (50 points – quality of ppt, content, evidence of teamwork, presentation and attire) and
5. The report you generated – professionally written and bound (100 points)

The five major steps you would follow:

1. Gathering the data (developing the theory or asking the questions)
2. Analyzing and sorting the results
3. Outlining the report
4. Writing the draft
5. Developing the presentation

The entire project is worth 25% of your overall grade.
Ideas:

Improving process flow in a local restaurant
Identifying forms of waste in a local manufacturing company
Moving a small business in the direction of Total Quality Management, Just In Time or 6 sigma
Making forecasting projections for a small business/large company

Improving patient turnaround time at a local hospital (or any service organization eg hair cutters) You could either use some of the ideas stated here or identify a business problem within your workplace; it might be something your supervisor or the CEO would ask you to "look into and come up with a recommendation next month."

You do not need confidential data for most of these projects

Report:

Four general requirements must be met to generate a good technical clarity, conciseness, continuity, and objectivity. The report itself will be about 15 pages long, excluding contents, acknowledgements, references and appendix. The first page will be an executive summary, outlining the questions you asked and your major findings. The report will be in 12 font, double spaced, with not more than 2-3 major tables and charts. Each table/chart should not be more than 1/3 of a page and must be concise. The last page must be a letter from the client you worked with, assessing the work. Where applicable, use suitable sources, but quote them. Save all the detailed charts for the appendix. I expect a well done professional report.

Presentation:

The entire group will participate and talk about individual contributions during the final presentations. The presentation will be graded on powerpoint, teamwork, presentation skills, attire, and the ability to express the project results clearly and concisely.

Participation and Comments:

For full points, you will need to participate in the class forums and discussion time I will give for the project, and use those times effectively in class. I will also administer a peer review form to rate your team-mates' work towards the project, at the end of the term.

Remember you are doing this for YOURSELF, something that you can own and talk confidently about, for a future interview. It's also an opportunity to add to, and enhance your resume and do well in a job search, and in the process experience solving a real-life problem for a company. It will also serve the community through the business you are helping.

(sponsored by Racine Workforce Development)

MEETING PURPOSE: In November 2017, Racine's delegation of economic development, workforce and education leaders visited Reno, Nevada to learn about the economic boom that took place when the Tesla Panasonic Gigafactory located in Reno. Racine County invited a delegation from Reno to share their experiences as our community welcomes Foxconn.

GOALS

- Learn about the successes and challenges of the Reno, Nevada boom
- Engage cross-section of Racine community in conversations with Reno delegates
- Utilize Reno's boom to inform planning for Racine County's boom

SCHEDULE (Tentative as of 1-19-18)

Tuesday, February 27 (UWP & JFW)

- 8:00 a.m. Networking breakfast with displays. This portion of the day will blend the community "town hall" meetings hosted in Racine County with information stations including road construction, sewer and water, project timeline and education/training opportunities and scaled back version of Foxconn product displays that have been exhibited in the region.
- 9:00 a.m. Welcome & overview of Reno Boom.   Chancellor Ford followed by County Executive Delagrave followed by presentation of the "Reno transformation" by Mike Kazmierski, President and CEO of Economic Development of Western Nevada
- 9:45 a.m. Break
- 10:00 a.m.   Moderated panel discussion/Q&A with Reno delegates

A series of scripted questions generated by partners. A portion of the time will provide an opportunity for audience to submit written questions.

- Barb Walden, Director Technical Sciences, Truckee Meadows Community College
- Kyle Dalpe, Dean Technical Sciences, Truckee Meadows Community College
- Mike Kazmierski, President and CEO, Economic Development of Western Nevada
- John Thurman, CEO, Nevada Works
- Elmar Dave, CEO, SoneCine
- Zachery Kumler, Talent Acquisition Specialist, Panasonic Energy of North America
- Randy Walden, Industrial Specialist – Advanced Manufacturing, Governor's Office of Economic Development
- 11:30 a.m. Lunch
- 12:45 p.m. Targeted small group discussions/breakouts by sector guests would be able to attend smaller, focused discussion about what and how Reno has reacted. The purpose is to get more detailed information. These breakouts will be lead by Reno delegates and facilitated by staff of Racine County Workforce Solutions and UW Parkside. Break-out sessions: education (K-16), business, workforce development, and civic.
- 2:15 p.m. Table top discussion in cross-sector groups Guest will be reassembled in ballroom area and seated at round tables, guests from each group discussion area will be at each table to allow cross pollination, sharing of ideas and build collaborative foundation going forward.
- 3:45 p.m. Wrap up and next steps.

CBEC News

Outstanding Graduates

Rebecca Roembke – Chancellor's Award (Business Management & Physics)

Rebecca Roembke was very familiar with the Alfred and Bernice De Simone Gymnasium, site of the Winter 2017 Commencement. After all, Roembke spent a lot of time in this space, both as a student and as a student-athlete. As a member of the UW-Parkside women's volleyball team, she practiced here and played here many times. The things she learned as a player -- the value of hard work, constancy, instantaneous problem solving, strategic planning -- all contributed to making Rebecca the stellar performing student she is, who consistently excels in everything she does. The fact that she earned degrees in business management and physics, was involved in several campus activities, participated in volunteer work, all while playing at the NCAA Division II level and maintaining a near perfect GPA, is amazing.
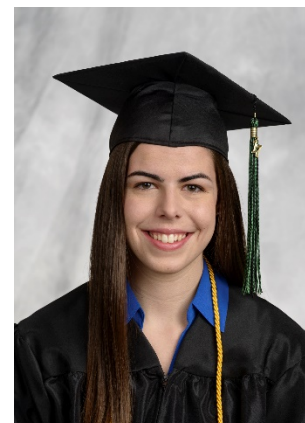
Rebecca stated, "People who knew me when I was younger used to joke and make fun of me for being so quiet. I'm sure they would have never guessed I would be the one leading ice breakers, giving tours, and teaching so many students about UW-Parkside and even getting a few groups to do the banana dance. This was by far the best job I have ever had and I loved working with all the students. I learned so much about myself through this job and it has given me the confidence that you can do anything you set your mind to." In her remarks to the Class of 2017, Roembke said, "Most people view difficulties as bad things, but I've learned to view them in a different light, and see them as opportunities to grow."

Haley Willis (Business Management & Marketing)

Haley Willis has managed to be a student athlete on the cross country team, balance a heavy course load, and to seize every possible opportunity the business program and university offers for personal and professional development. While working as a program consultant in the Small Business Development Center, she has had a lasting impact for many of the clients.

In addition to her many accomplishments, she has also been involved in the Parkside American Marketing Association, International Study Abroad Humanitarian programs, completed in two national and international sales competitions, and has successfully completed a sales internship with the Milwaukee Bucks. So successful that they have personally reached out to Parkside several times in an attempt to recruit her on as a fulltime employee.

Although she enjoyed her internship with the Bucks, Haley stated, "I am looking forward to the next chapter in my life as I transition to work for Uline as a sales representative. I was attracted to the company for its community and employee-centric culture, similar to what I admire most about my university. I feel confident and fully prepared for my field as a result of my experiences with the sales program."

Chancellor Ford, CBEC Faculty, and Delegation Visit India

(Summarized from Kenosha News Article, Feb. 1, 2018)

In January 2018, Chancellor Debbie Ford traveled to India where she visited universities, colleges and high schools. She was also the keynote speaker at two international conferences. "We covered a lot of ground and it was an absolutely wonderful experience," she told the Kenosha News.

Chancellor Ford led a delegation to seven cities in two weeks. She signed five new MOU's for study and professional education exchange. The MOU's included new scholarship opportunities for prospective students from India wanting to study at UW-Parkside. Stops included universities, colleges and high schools in Pune, Mumbai and Delhi, along with other cities in the states of Punjab and Kerala. Abey Kuruvilla, Parkside Executive Director of International Affairs and a Business Professor, Michele Gee, Associate Dean and Professor, and Parag Dhumal, Associate Professor, were among the faculty members who joined Chancellor Ford on different legs of the trip.

Chancellor Ford was the keynote speaker at two conferences: The Fifth Annual Asia-Pacific International Conference held at the Institute of Management Studies, Research, and Entrepreneurship Education in Mumbai and the inaugural International Conference on Sustainable Globalization in Kochi, Kerala. "I had the opportunity to speak about our role in higher education and how we are really addressing and responding to 'major disrupters,'" Chancellor Ford said. Institutions of higher learning have an obligation to prepare graduates to "lead, grow and contribute to a global economy."

Chancellor Ford's trip included a visit to St. Teresa's College, an all-women's college, in Kerala. She said it was one of the highlights of her trip. About 300-400 women ages 18-23 attended the event. Chancellor Ford spoke with them about being a female leader in higher education and to think about their roles in education. She listed the positive qualities of the GIRL in Girl Scouts, namely "go-getter", "innovator", "risk-taker", and "leader".

CBEC looks forward to continuing its partnership with institutions in India and throughout the world. Next fall, 12 students from N.L. Dalmia Institute will enroll in the MBA program. We also will welcome five students from TKM College of Engineering to study in UW-Parkside's graduate programs. The MOU's also result in students from India enrolling in UW-Parkside's undergraduate programs.

Faculty/Staff Updates

- Sue Norton, Professor of Human Resource Management, retired effective January 2018. Dr. Norton has had a distinguished career at UW-Parkside. Her activities include serving as department chair on multiple occasions, assessment coordinator, and co-leading a High Learning Commission (HLC) accreditation maintenance effort.
- Manoj Babu, former Dean at Gateway Technical College, is serving as a Visiting Assistant Professor in Management and HR. Dr. Babu has a strong record of service in the SE Wisconsin community.
- Heather Miles, senior system administrator and adjunct instructor, will be leaving for a teaching opportunity at Gateway. Ms. Miles is both a Computer Science and MBA alumna. She is active in numerous committees and served in multiple leadership positions on campus.
- Matthew McPherson, CS alumnus, is the new system administrator for Computer Science labs.
- Trudy Biehn, Senior CBEC Advisor, retired effective December 2017. Ms. Biehn began numerous activities for CBEC, including establishing the CBEC interns and reaching out to area high schools. She was instrumental in establishing the many articulation agreements between CBEC and two year programs.
- Joan Wishau is on loan from advising to serve as CBEC Advisor. With Don Gillespie, Ms. Wishau is supervising the CBEC interns.
- Maria Rodriguez was hired recently to serve as an associate advisor specializing in advising nontraditional CBEC students for the Business Online Degree Completion program and MBA program.
- Connie Wheeler retired as Computer Science assistant. Ms. Wheeler is an UWP alumna and was active with several campus activities.
- Janet Palenik is the new Computer Science assistant.
- Searches are underway for new professors in Economics and Computer Science

MBA Program Updates

The new MBA curriculum discussed in previous advisory board meetings was improved in fall 2017. The online delivery method and partnership with Academic Partnerships was discussed at the December Board of Regents meeting. Final go ahead for the program was approved by UW System in February 2018.

Small Business Development Center (SBDC)

The UW-Parkside office of the SBDC surpassed all of its metric goals for 2017. The SBDC had 61 long term clients with a goal of 60, 15 business starts with a goal of 13; and over $5MM in capital infusion with a goal of $3.5MM. In addition, the SBDC received a $100,000 grant to support exporting in the region.

Innovation Corridor Design and Funding

The Innovation Corridor is home to several CBEC centers on the D level of Molinaro, including the data analytics lab (formally business lab), computer science lab, cybersecurity lab, makerspace, App Factory, Ralph Jaeschke Solutions for Economic Development Center (SEG Center), SBDC, and Michael P.

Haubrich Business and Innovation Space. We are pleased to announce new additions to the corridor: A Sales Lab and the Innovation Commons. The Sales Lab was supported by $40,000 in business sponsors. This lab will contain three offices and a waiting/reception area where students can practices selling. Camera equipment transmits and records the sales calls in order to provide feedback to the students. The Innovation Commons, also supported by a gift, will occupy the vending machine area of Molinaro and will contain tables, whiteboards, and other equipment to facilitate collaboration.

The award winning App Factory received $100,000 from the state Innovation Fund. The grant written by Dean Dirk Baldwin and Assistant Professor Zaid Altahat, provides money for several purposes including: hiring high schools students to train and work in the App Factory; scholarships to attract CS and MIS students to UW-Parkside, and support for entrepreneurial activities in the App Factory.

An Interior Designer is being contracted to design the Innovation Corridor. Additional fundraising is underway to allow further development. The corridor will host a portion of the Board of Regents meeting in October 2018.

Graduate Business Student & Alumni Association Donation (GBSAA)

The GBSAA donated $10,000 to CBEC for creation of an MBA Commons. The MBA Commons will be located in Molinaro 325. The room will provide a place for MBA students to socialize, relax, and prepare for class. The MBA Commons is expected to be finished by summer 2018.

WMC Mini Business World Event March 27

In partnership with the Wisconsin Manufacturing Council (WMC) and KUSD, CBEC is hosting a Mini Business World event for Kenosha County High School student on March 27. According the WMC Mini Business World website, the program runs from 9 am – 2 pm. "In the morning, students walk through a brief history lesson that details Adam Smith, author of "The Wealth of Nations," and the fundamental principles of free market enterprise, as well as a history of manufacturing and business in Wisconsin. From there, students interact with fellow classmates completing curriculum-based exercises that stress the values of entrepreneurship, financial literacy, and business ethics. By the end of the program, students gain a greater appreciation for what it takes to run a business, but, more importantly, they will understand the rich and treasured history of Wisconsin as an incubator for entrepreneurship and enterprise." Let Dean Baldwin know if you are interested in helping with this event through sponsorship or judging.

Wisconsin Science and Technology Symposium (WSTS)

UW-Parkside is hosting the WSTS event July 30 and 31st. WSTS focuses on faculty and student activity that has potential for intellectual property and marketability. Approximately 200 faculty and students from around the UW System will present their work during this two day event.

FLEX Business Degree

As a result of restricting UW Extension and the two year UW College, the competency-based FLEX business degree requires a new home. UW System has asked UW-Parkside CBEC to be home for this degree. We are currently exploring the possibility of moving the degree to UW-Parkside. You can find more information about the degree at the Flexible Option site.

Racine Unified School District SEE Your Future Expo

Published: November 16, 2017

The Racine Unified School District (RUSD) SEE Your Future Expo took place Nov. 14, 2017.

This event was an opportunity for educational institutions, businesses, and other organizations to meet and interact with students and sharing the skills, experiences, and education that helps organizations to be successful.

The event was divided into three focused sections, with each section featuring several possible career opportunities. The three sections were business & information technology; culinary arts, education, health sciences & leadership/military, and automotive, aviation & technical services.

The expo is one of the experiential learning opportunities that the new Academies of Racine offer their students. They also conduct college visits to help students get an idea of what a college environment might look like. UW-Parkside participates in this event by sending faculty and staff members to interact with and help guide these students for the importance of the decisions they will make in the near future.

UW-Parkside Chief Information Officer Jordania Leon-Jordan and IS System Developer Nicholas Brumback attended the event to speak with RUSD students about the need for talent in IT field.

Financial Program Supervisor Beth Frederick and Accountant Jennifer Agerholm spoke with RUSD students about the education accountants require.

Director of Business Services and Controller Scott Menke was also in attendance to inform RUSD students about career opportunities.

BE READY FOR THE REVOLUTIONS!

Published: November 9, 2017

By: Chancellor Debbie Ford

Economic and talent-development experts tell us we are on the brink of not one, but two revolutions.

Dr. Klaus Schwab, founder and executive chairman of the World Economic Forum, speaks to the arrival of the Fourth Industrial Revolution as "distinct in its velocity, scope and systems impact." He says the speed of current breakthroughs has no historical precedent and is disrupting every industry around the world.

At the Fifth Annual Summit on Regional Competitiveness in Chicago, Becky Frankiewicz, president of North America ManpowerGroup Inc., told regional-planning leaders from Indiana, Illinois and Wisconsin that we are in the midst of a skills revolution. She labeled skills as the new talent currency.

Talking with business and community leaders, challenges associated with the Fourth Industrial Revolution and a skills revolution are top of mind. Sometimes it's the skills gap; sometimes it's a topic I'll call "skills uncertainty." Companies and organizations are seeking talent that will ensure their future success. However, disruptions generated by economic and talent revolutions create uncertainty involving specific workforce requirements.

We all know Foxconn has dominated business and government news in southeastern Wisconsin. I am often asked: "What is UW-Parkside doing to meet talent demands?" Missing from the question is that Foxconn and other leading and emerging companies may themselves be uncertain as to exactly what talents will be required a decade from now. What they do know is that people who possess the ability to learn and adapt – the new talent currency – will be among the most valued employees in the organization.

Students who are part of this fall's record class at UW-Parkside, the largest in the past five years, will be just a few years into their professional careers a decade from now. Providing an educational experience that blends technology, business, science and the arts helps ensure their success when they reach career milestones in 2050 or 2060.

Developing foundational learning skills has driven the educational mission at UW-Parkside since our bold beginning in 1968. The original academic organization of the university featured two divisions: the College of Science and Society, and the School of Modern Industry. Today, the boundaries between science, society and modern industry are blurry at best. Our region is quickly adapting to align with Industry 4.0 and the convergence of information and operational technology. Area companies and organizations honored recently by KABA and RAMAC exemplify that adaptability.

At the recent Metropolitan Milwaukee Association of Commerce annual meeting, Dr. Louis Woo, special assistant to Foxconn CEO Terry Gou, said his company was coming to Wisconsin to build a new

manufacturing ecosystem. Talent which thrives in that environment is talent capable of learning and adapting – the same talent that is graduating from UW-Parkside.

The UW-Parkside academic makeup will continue to reflect what will be required for decades to come – the ability to learn, to adapt, and to embrace change. Our future science graduates will benefit from industry-leading Shimadzu diagnostic instruments in the SC Johnson Integrated Science Lab. Business graduates in the Milwaukee-Chicago corridor will benefit from online programs that allow them to complete a bachelor's degree or earn and MBA. And graduates specializing in industrial design will benefit from the new UW-Parkside Digital Art Fabrication Lab that connects art with industry and technology.

As our region moves forward, adapts, and changes at an unprecedented pace, your university – the University of Wisconsin-Parkside – will continue to grow and transform as it has for the past 50 years. The goal is to ensure that graduates have the skills and "talent currency" required for success during the Fourth (and maybe even the Fifth) Industrial Revolution.

2017 Internship Fair Highlights and Career Fair
Published: October 17, 2017

By: Kamala Burks

SOMERS - With 47 employers and more than 200 students in attendance, this year's Internship Fair was a huge success. It is the first of three career-recruitment events on campus for the 2017-2018 academic school year. Oliver Johnson, employer relations and engagement coordinator in the Advising and Career Center noted that the fair, now in its fourth year has more than doubled in size "We look out for student needs, and try to bring in several different employers that are congruous with the different academic programs that UW-Parkside has to offer," Johnson said.

Omar Jasso, business program manager from Foxconn, was in attendance promoting the massive new LCD panel manufacturing plant scheduled to be built in Mt. Pleasant, just minutes from the UW-Parkside campus. Although it is expected to be complete in 2020, the company is now searching for employees to begin in 2018. Foxconn is seeking candidates to be recruited in all fields and all types of positions. Jasso said he was pleased with the number of interested students with whom he connected.

There were all types of employers for students to choose from. Jaymee Ebbers, new media coordinator from the Milwaukee Admirals, explained how they were searching for campus ambassadors to promote events during the upcoming season. Ebbers said that she has attended several internship fairs and was impressed with the turnout and interest she received from UW-Parkside students.

The Internship Fair gives students a chance to showcase their talents while exploring the different opportunities within their field. Employers have the chance to recruit amazing talent to join their teams. The career fair for full time employment takes place on February 28th.

UW-Parkside Students Attend 2017 Future 50 Awards

Published: October 12, 2017

By: Kamala Burks

SOMERS – The University of Wisconsin-Parkside has been a co-sponsor of the annual MMAC Future 50 Awards luncheon. Established in 1988, the Metropolitan Milwaukee Association of Commerce (MMAC) Future 50 Awards program recognizes privately owned companies in the seven-county region of southeastern Wisconsin. All nominees have to have been in business at least three years, and have shown significant revenue and employee growth. The companies are honored at the luncheon, and are highlighted in MMAC's Membership Directory. They are also often featured in news articles published by BizTimes Milwaukee.

Two UW-Parkside students, Marshall Ladd and Haley Willis, had the amazing opportunity to attend the event. Haley is a business management and marketing major from Peoria, Ill. She expects to graduate in December 2017. Marshall is a computer science major from Racine, who expects to graduate in 2019.

Both students play important roles in Parkside's continuing success. Haley serves as a program assistant in the Wisconsin Small Business Development Center. Marshall showcases his app development skills as a lead Android developer in the UW-Parkside App Factory.

Marshall admits that he had no knowledge of the Future 50 Awards prior to attending the event. Haley first heard about the Future 50 last year. She was also a part of a group photo of the Milwaukee Bucks that was featured at the award show. Haley was an intern for the team over the summer. Not only did the Bucks earn a Future 50 Award this year, the team's president, Peter Feigin, was the luncheon's featured speaker. Feigin spoke on the innovation and growth within the Bucks, and how their success can be applied to other businesses in the Milwaukee area.

When asked about his experience on attending the award luncheon, Marshall said, "I was surprised at the number of veteran-owned businesses being recognized at the event. I only noticed this as I am an Army veteran myself and it's encouraging to see other veterans doing so well and being recognized for it."

Haley also had a very positive reflection on her experience. "It was great to be a quest at the Future 50 Awards luncheon," she said. "I had a chance to reconnect with Chancellor Ford, while meeting many new faces from Parkside. I felt truly honored to be there because it felt like my school was proud of the work I've done and dedication I have."

Both students commented on how attending this event was a huge learning experience for them. They both were amazed at the development of businesses in Milwaukee and how many of the businesses have such a successful growth rate.

"This expanded my list of places to keep in mind and apply to when I do graduate," said Marshall. When asked about his plans after gradation Marshall explained, "Currently I am focusing on Android app development in my classes and internship. I am hoping to do something related with that after I graduate. Maybe expand to other mobile platforms like iOS to be more versatile, but something related to the mobile world."

Haley, who will be graduating in December says that she doesn't have any concrete plans quite yet. "I'd like to pursue a sales position and aim to go back to grad school within the next two years. Ultimately, I'd like to teach at the college level."

Kenosha Startup Week launch at UW-Parkside Nov. 6
Published: October 2, 2017

Featuring Mark Lange, executive director for the Division of Business & Entrepreneurship at UW-Extension, this Kenosha Startup Week kickoff event highlighted statewide business development, and the opportunities available for institutions of higher learning to lead the way in developing workforces and economies of the future.

Kenosha Startup Week is focused on building momentum in greater Kenosha's high-growth entrepreneurship community, showcasing the region's startup success stories and highlighting the resources available to entrepreneurs in the region.

"Wisconsin Startup Week is a valuable initiative for the communities of Southeastern Wisconsin, and has received resounding support in Kenosha", said Kenneth R. Murray, co-organizer of Kenosha Startup Week. "Kenosha Startup Week is all about discovery and celebration. We live in a community rich with history and potential. And there's good reason that Southeastern Wisconsin is receiving national attention. We're uniquely positioned between the Madison, Milwaukee, and Chicago metro areas, we

have a talented and determined workforce, and we boast some compelling quality of life assets. We're poised to be a hotbed for future growth and development."

"The Greater Kenosha region has rich history of entrepreneurial success stories," said Matt Cordio, co-founder and president of the Wisconsin Startup Week initiative. "With entrepreneurial companies such as Jockey, Kenall Manufacturing, and Snap-on growing and thriving in the region, it is clear that greater Kenosha is an attractive place for entrepreneurs to launch and grow innovative companies."

During Kenosha Startup Week, a group of over 24 community partners hosted more than 12 events across greater Kenosha. In addition to the launch at UW-Parkside, some of the featured events included:

FINANCING HIGH-GROWTH ENTREPRENEURSHIP | Nov. 8, 3 – 5 p.m. at the Kenosha Area Business Alliance
This two-hour session featured regional experts with experience in financing small- and high-growth businesses. Members of the panel included representatives from the Racine County Economic Development Corporation, US Bank, WWBIC, and WHEDA, among others.

PLANNING FOR STRATEGIC GROWTH | Nov. 8, 6 – 7 p.m. at the Kenosha Area Chamber of Commerce
This hour-long workshop highlighted ways business owners can tackle the complexities of scaling their business.

FEMALE FOUNDERS PANEL & NETWORKING LUNCHEON | Nov. 11, 10:30 a.m. – 1 p.m. at the Gateway Technical College Business Resource Center - Racine
Featuring Amy Mokris, founder and CEO of Le Coeur Watch Co., and Jackie Steinmetz, founder and CEO of Accelity Marketing. The theatre-style panel event featured presentations by some of the region's most dynamic female founders.

Kenosha Startup Week, part of the Wisconsin Startup Week Initiative

The Wisconsin Startup Week initiative—launched this year—is focused on showcasing the wealth of resources available to entrepreneurs around the state, highlighting Wisconsin's unique entrepreneurial identity and celebrating its numerous entrepreneurial success stories.

"Entrepreneurs and their companies are critical to the growth and prosperity of Wisconsin's economy," said Matt Cordio, co-founder and president of the Wisconsin Startup Week initiative. "We are thrilled to have ten communities around the state of Wisconsin hosting events and connecting entrepreneurs to local resources during the inaugural Wisconsin Startup Week. High-growth entrepreneurship is the leading creator of net new jobs in the state's economy and we are excited to launch this initiative that will positively impact the number of high-growth entrepreneurs in the state of Wisconsin over the long-term."

About Kenosha Startup Week

Kenosha Startup Week is an annual series of events designed to bring together entrepreneurs, investors, and leaders from across the region with the intention to share, celebrate, and innovate while further engaging high-growth entrepreneurship throughout Southeastern Wisconsin. Hosted Nov. 6-12, Kenosha Startup Week is part of the Wisconsin Startup Week initiative. Kenosha Startup Week is supported locally by the Wisconsin SBDC and Leeward Business Advisors. To learn more about Kenosha Startup Week visit http://kenoshastartupweek.com

Enrollment Data

The detailed enrollment data will be provided in the late spring Advisory Board packet.

Spring

Major	1/22/18	1/23/17	1/25/16	1/26/15	1/27/14	1/22/13	1/09/12
Acct/Bus/Marketing/ MIS	1973	2058	2062	1919	1756	1714	1766
CSCI	692	573	673	675	688	637	520
Economics	294	409	326	377	375	367	382
MBA	214	221	220	266	289	332	296
CIS	43	23	43	43	19	11	12

Winterim

Major	2018	2017
Acct/Bus/Marketing/ MIS	77	48
CSCI	12	18
Economics	12	0
MBA	21	25
CIS	2	1

No. of Majors (Note: 2015 -2018 are based on the dashboard)

Major	Spring 2018 1/22	Spring 2017 1/23	Spring 2016 1/25	Spring 2015 1/26	Spring 2014 1/28	Spring 2013
Bus/MIS/Acct					647 (Business)	636
Bus. Mgt.	414	466	456	509		
BUSO	36					
ACCT	129	151	174	151	102	
Marketing	138	135	114	76		
MIS	60	55	52	60	72	71
CSCI	183	170	157	174	169	121
Economics	33	31	28	20	34	26
Economics (AS)	7	3				
MBA	66	68	73	84	106	110
CIS	17	9	9	10	10	8

Number of Majors as of February 14, 2 017

Major	Spring 2018 2/12	Spring 2017 2/14
Bus. Mgt.	428	479
Bus. Mgt. Online	45	33
ACCT	139	160
Marketing	142	142
MIS	63	60
CSCI	202	189
Economics	34	38
Economics (AS)	8	4
MBA	71	72
CIS	19	14

Graduation

Business

Plan Type	Plan Description	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	Total
Graduate	Master Business Administration	28	30	27	32	30	42	32	43	29	33	326
	Total	28	30	27	32	30	42	32	43	29	33	326
Major	Accounting							24	47	48	47	166
	Business Management	122	147	122	134	116	137	113	118	131	127	1,267
	Business Management Online										1	1
	Management Information Systems	10	12	11	12	21	19	20	16	7	15	143
	Marketing								17	28	35	80
	Total	132	159	133	146	137	156	157	198	214	225	1,657
Minor	Business Management - Minor	7	10	7	10	10	14	7	19	28	20	132
	Global Management Minor							2	5	2	4	13
	Management Information Systems				1		3	1	2	1	2	10
	Total	7	10	7	11	10	17	10	26	31	26	155
Certificate	Entrepreneurship	1	1	3	7	1	2	7	4	3	2	31
	Project Management	5	10	6	9	7	8	7	6	13	5	76
	Retail Management Certificate							5	5	10	6	26
	Sales				2	8	7	11	9	17	11	65
	Total	6	11	9	18	16	17	30	24	43	24	198
Total		173	210	176	207	193	232	229	291	317	308	2,336

Computer Science

Plan Type	Plan Description	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	Total
Graduate	Computer & Information Systems	8	2	2	2	3	2	2	8	5	4	38
	Total	8	2	2	2	3	2	2	8	5	4	38
Major	Computer Science	11	10	8	18	18	14	14	25	27	40	185
	Computer Science/Math		1	1			2	2				6
	Total	11	11	9	18	18	16	16	25	27	40	191
Minor	Computer Science	3	1		1	2	1		1		1	10
	Web Development		1		2	6	5	3	2	3	7	29
	Total	3	2		3	8	6	3	3	3	8	39
Certificate	Cyber Security				5	3	4	5	7	4	10	38
	Mobile Development							3	10	3	5	21
	UNIX System Administration	6	4	2	9	8	2	5	11	2	9	58
	World Wide Web Publishing	7	7	3	7	6	7	5	2	5	7	56
	Total	13	11	5	21	17	13	18	30	14	31	173
Total		35	26	16	44	46	37	39	66	49	83	441

Economics

Plan Type	Plan Description	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	Total
Major	Economics	10	12	7	12	16	7	10	11	8	6	99
	Total	10	12	7	12	16	7	10	11	8	6	99
Minor	Economics	4	1	5	8	3	4	6	8	7	6	52
	Total	4	1	5	8	3	4	6	8	7	6	52
Total		14	13	12	20	19	11	16	19	15	12	151

Appendices
COLLEGE OF BUSINESS, ECONOMICS, AND COMPUTING

ADVISORY BOARD MEETING

October 5, 2017
Alumni Room, UW-Parkside ~ Student Center
4:00 p.m.

Board Members: Al Biland, Brigid Bailey, Kam C. Buhler, Leonard Bloom, Steven R. Baumgartner C.E. Goodremote, Jacqueline Hallberg, James Kettinger, Ronald G. Kingen, Cory Mason, Neha Misra, Thomas P. Mahoney, Tom Nelson, Stephen G. Schroeder, Terry Steidl, Russell A. Tilsner, Andrew J. Vogel, Trevor Zillwood

Faculty and Guests: Dirk Baldwin, Dean – Tony Aiello, UWP Student - Zaid Altahat, Assistant Professor – Sahar Bahmani, Associate Professor – Laura McClure, Dean's Assistant – Tara Schmidt, Academic Department Associate, Will Zheng, Associate Professor.
Terry Debrabander, Kristin L. Fritz, Goran Micanovic, Doug O'Reilly, Tim Sheehy

Welcoming Remarks and Advisory Board Changes
Jim Kettinger called the meeting to order and welcomed everyone to the first meeting of the new year.

Dirk Baldwin Update: Dirk welcomed everyone to the first Advisory Board meeting. The guests for the evening were introduced. Terry Debrabander, Johnson Controls - Kristin L. Fritz, Rockwell – Goran Micanovic, Northwestern Mutual - Doug O'Reilly, Uline and Tim Sheehy, Metropolitan Milwaukee Association of Commerce.

Tony Aiello – Scholarship winner thanked everyone for the opportunity that was given to him. With the help of the scholarship, Tony will be graduating in May 2018.

Dirk - MBA Program Revisions

During the Spring Advisory Board meeting, the new online MBA program was discussed. Notes regarding the redesign of the program, curriculum and learning goals discussion can be found on pg. 20 of the agenda. We are still in draft mode and welcome additional comments. Pg.3 outlines the new direction based on the boards input.

- 4 levels of learning goals
- Pre-requisites lowered to 2
- Admission standards changed to reflect ones level of professional experience rather than only college credits.

Group Comments: Nice to see that the boards input is being recognized and applied.

Dirk: We value and take your input seriously as you are in the field and know what our students need to succeed. Your comments, views take weight as we move the process forward.

Dirk – News

Dirk reviewed the various awards that the university and its professors have earned.

- Sahar Bahmani, Excellence in Research and Creativity Award
- Suresh Chalasani, Community Engaged Learning and Research Award
- Dexter Fierro, TMAC Scholarship Winner
- Cassie Van Hoof, Nikolai Lumpkins – The Big Idea Innovation Challenge 2016-17
- APICS Awards
- Economics Department – Top 10 in Wisconsin
- Executive in Residence – Sara J. Walker, CFA - Presentation coming Oct 12, 2017
- Professor Norm Cloutier and student Carolyn Eastman presented their research to RCWDC and Higher Expectations.
- Expansion of our international relationships (pg. 12). We are currently working with14 universities in 6 countries. The number of international students enrolling at UW-Parkside doubled in fall 2017.

Enrollment News

- International student enrollment has doubled.
- UW-Parkside has graduated a record number of students the past three years.
- MBA onsite programs are crashing across the country along with undergraduate business programs.
- CBEC is doing well and holding their own but we need to work on making "business" the place to be and exciting for incoming freshman. We need to promote that business done well is good business and that you can "change the world and your community" through business.
  - **Reasons for the decline in enrollment**
  - Simple demographics – the age of Wisconsin residents
  - Social/media scandals with big businesses
  - Biological, medical, sustainability and health fields are the current "popular" "buzz" fields that students are interested in. *Note that many students are attracted to these fields but do not stay with them. A percentage of those students will transfer to business.

Overall Comments – We need to promote the programs we have and put business in a better light. We need to work on promoting women as top executives. Many girls do not see anyone they identify with so they go on to other disciplines.

Tim Sheehy – MMAC

Metropolitan Milwaukee Association of Commerce has 2 goals –

1. Improve the business climate in businesses that are already here and established.
2. Sales and marketing of the Wisconsin area to prospective companies. Kenosha, Racine, Walworth and Metro Milwaukee areas.

FoxConn –

This is the largest foreign directive in US history, if all the numbers ring true. Haribo which will be coming to Pleasant Prairie is the 3rd largest deal in the US. They will bring 400 new jobs to a 500,000 sq. ft. manufacturing plant.

All states offer incentive packages to prospective businesses. The package that was presented to FoxConn was not much different than most. The legislative tax credits that they will receive will not just be free money we are giving out but are tied to payroll/jobs/wages and economic growth that they will bring to the area. They will not increase our debt.

> $1.3 billion refundable tax credit and $2.7 billion in refunds over 7 years that is tied to payroll – 17% ea year.

Plan –

- Build in 4yr time frame
- 13,000 jobs of which 1/3 will be engineers
    - Business, manufacturing, engineering, supply chain, technologists
    - Starting pay $20/hr
- 12,000 acre parcel with additional 1,200 acre and 600 acre adjunct parcels on reserve.
- Will be held to normal US EPA standards
- $3 billion investment over the 15 years.

FoxConn will be needing supplies from over 150 companies. This will mean more growth to the area and even more jobs. Waiting 6 weeks for product to arrive from overseas is not cost productive anymore.

Comments – Why are they coming here to the US?

In China this plant would need to be much larger and require 200,000 workers. By coming to the US the processes we have are so automated they will only need 13,000 workers. A significant cost savings which can be passed on to workers in wages. Access to land, water, airports and other manufacturers for their supplies. They are also bringing a technology to the US that we don't have. This technology can be used for more than just phones. Their AK5G technology can stretch amongst medical, governmental, security, driver less cars and other fields. AK5G technology such as face recognition software or the ability to operate on a patient remotely from another state or country. Bottom line they feel that the US is a good investment and they are already working with other US companies like Apple.

The Down Side

This area does not have enough people, educated or not to meet their demand. From 2010-2016, we lost more people than we brought in to the state. Looking ahead from the 2010 to the 2040 census, the problem will continue to increase. Granted many people will move here because of FoxConn but we really need to tap into everyone that can work.

With starting wages at $20 many established companies fear losing their workforce. 4 years is not much time to restructure our thinking and put in place programs to meet everyone's needs.

Universities will also need to look at faculty – what will we need, how to fund these changes before we have the students.

What's next?

We need to work together with GTC and UW-Milwaukee on programs. Rethink disciplines that will fit the needs of FoxConn. GTC is already "at the table" and ahead of the rest of us.

We need to collaborate and make sure that we are not all working on the same agenda item. There are enough pieces in the pie for everyone. Important not to take a protective approach.

We are too silo orientated about disciplines – we need to rethink approach and programs. Restructure our marketing to younger students. Not only high school but middle and grade school students, especially girls.

New ways to develop talent: Adult pay as you go internships. High School student internships

Target people who are not employed or underemployed. There will be a place for them. Need to look outside the box for more workers.

Create training/succession programs. $0 worker > $10 worker, $10 >$20 and so on.

We may need to look at other areas such as the College of Lake County for students as well.

- ▪ Dirk noted that we have articulation agreements in place already. Some of our best transfer students come from CLC. They are a good resource.

Dirks Comments

We need to see what the Chancellor is working on in terms of FoxConn and the other schools. Can people get their 2yr degree from GTC and still move up the ladder? Many high school students aren't ready to complete college in 4yrs. It is also not realistic to think that you can go 2yr at GTC and 2yr at UWP and have a BS degree. Maybe a GTC/UWP/UW Milw - STEM Meta Major – ALL first years take same classes and then move to their discipline of choice – saves time, money and may appeal to more students.

Guest Kristin Fritz, Rockwell – observational comments

The war for engineers is real and not just around here. Mentioned salary minimums for H1B visa holders and issues employing students with these visas. Rockwell's participation in the Grace Hopper 2017 Convention. She also mentioned a bit of a stigmatic mindset regarding UW-Parkside from graduates of other universities (Purdue, Stanford) and the need for us to work on our branding.

Brainstorming Ideas

- Hold a hackathon
- Host a Summit – nonprofit, educational institutions, business, local government
- Create campaign to "Stay in Wisconsin" (Why do people go to St. Paul, Minnesota and never leave? The weather isn't better. What's their secret?)
- Meet with FoxConn – what are they really looking for
- Transition Programs 2yr to 4yr schools

Dirks – closing comments/action items

- How to change mindset of UWP
- Target younger students
- Collaborate with GTC and UW Milwaukee
- Speak with Chancellor
- Hold - Hackathon/Symposium/STEM Events

Respectfully submitted,

Laura McClure

UNIVERSITY OF WISCONSIN--PARKSIDE

COLLEGE OF BUSINESS, ECONOMICS, AND COMPUTING ADVISORY BOARD

Bylaws

Preamble

The Advisory Board is committed to supporting the College of Business, Economics, and Computing at the University of Wisconsin-Parkside in the pursuit of academic excellence and continuous improvement in its educational programs and initiatives. Composed of business and professional leaders who are acquainted with the needs of the region, the board through its collective wisdom and experience provides advice, ideas, and resources to the Dean and faculty on a variety of issues facing the School. These issues include, but are not limited to: mission; vision; academic programs; accreditation; strategic planning; technology; faculty development; student recruitment, retention, and placement; community engagement; and fundraising.

ARTICLE I
Name and Authority

Section 1: Name
The name of the organization shall be the College of Business, Economics, and Computing Advisory Board.

Section 2: Authority
Subject to the guidelines of the University of Wisconsin-Parkside, the composition, functions, responsibilities, duties, powers, and authority of the College of Business, Economics, and Computing Advisory Board, hereinafter referred to as the Board, shall be as determined by the Board and the College of Business, Economics, and Computing.

ARTICLE II
Role of Advisory Board

Section 1: Activities
The Advisory Board shall serve in an advisory role to the Dean and the faculty to:
1. Provide advice on ways and means of anticipating and responding to the changing needs of business, technology, and society;
2. Review and evaluate the vision, mission, strategic plan, and academic programs of the School;
3. Provide advice and assistance on matters related to accreditation, student recruitment and retention, and faculty development;
4. Provide support for the Executive-in-Residence program and speakers for other School presentations;

5.   Assist the School in providing student and faculty internships and employment opportunities for graduates;
6.   Assist the School in identifying and cultivating potential financial supporters; and
7.   Engage in other activities as approved by the Advisory Board.

ARTICLE III
Advisory Board

Section 1: Membership

The Advisory Board shall consist of members originally appointed to the Board and those subsequently reappointed or appointed under the provisions of these Bylaws. Members will ordinarily be senior business executives with significant responsibilities in organizations relevant to the School's programs, individuals who have demonstrated their commitment to the University of Wisconsin-Parkside and the College of Business, Economics, and Computing, and others who can contribute in meaningful ways to the work of the Board.

Section 2: Representation

The membership should be representative of the business community, with no more than two members representing the same company, institution, or other organization serving simultaneously on the Board. The Board should consist of at least twenty-five (25) but not more than thirty-five (35) non-faculty members. The Dean of the College of Business, Economics, and Computing at UW-Parkside serves as ex-officio member of the Board. Additional individuals may be appointed as ex-officio by the Chair of the Board.

Section 3: Election of Members

Nominations, including those to fill vacancies, shall be submitted to the Board by the Executive Committee for approval. A majority of the votes cast shall be necessary for the election of a member. Although voting will normally occur at a duly called meeting of the Board, the Chair may call for a vote by U.S. postal mail, e-mail, or telephone. The names of proposed candidates shall be submitted to each member of the Board at least ten days prior to the time of the election. Members of the Board shall give due consideration to the recommendations of the Executive Committee but may accept nominations from the floor at a duly called meeting and elect any other person or persons to membership on the Board in accordance with these bylaws.

Section 4: Term of Appointment

All members, other than those designated as ex-officio, shall be appointed for three years, with the possibility of reappointment. Those chosen to fill vacancies shall hold their membership until the expiration of the term of the original member whose vacancy they fill.

Section 5: Removal of Members

A member of the Advisory Board may be removed by a two-thirds majority vote of those present at a duly called meeting of the Board. The proposed removal must be on the agenda of the meeting at which said action is to take place. Three consecutive absences without notice may also result in termination of membership upon recommendation of the Executive Committee and the Dean.

ARTICLE IV
Governance

Section 1: Bylaws
The Advisory Board shall be governed by its Bylaws.

Section 2: Quorum
A quorum for the transaction of business at any meeting shall consist of one-half of the voting members of the Board.

Section 3: Officers
Officers of the Advisory Board shall consist of Chair, Chair-Elect, Secretary, and Past Chair. The Chair will conduct the meetings of the Board and its Executive Committee. The Chair-Elect will serve in the absence of the Chair.

Section 4: Elections and Terms of Officers
The Chair, Chair-Elect, and Secretary of the Board are to be nominated by the Executive Committee and elected for a two-year term by a majority of the voting members present at a duly called meeting of the Board. The Chair of the Board is also the Chair of the Executive Committee.

Section 5: Voting
All members of the Board, except ex-officio, are eligible to vote on any matters considered by the Board. Approval of issues is determined by a simple majority of those casting a vote. Voting shall be by secret ballot if requested by one or more of the voting members present.

ARTICLE V
Meetings

Section 1: Dates and Locations
The Advisory Board shall meet at least twice each academic year on a date announced by the Chair of the Board or the Dean of the College of Business, Economics, and Computing. Special meetings of the Board may be called by the Chair or Dean at any time, or upon a written request to the Chair or Dean signed by five of the voting members of the Board. Special meetings may be constituted through conference calling of members. Selection of meeting dates and locations will be the responsibility of the Dean in collaboration with the Chair of the Board.

Section 2: Notice of Meetings
Notice shall be given by US postal mail, e-mail, or telephone to members at their usual address at least ten days prior to the annual or regularly scheduled meeting. For special meetings, notice may be given by postal mail, e-mail, or telephone at least three days prior to the date of the meeting. The notice will specify time, place, and the agenda for the meeting.

Section 3: Agenda
An agenda shall be mailed or telephoned with the notice of any meeting of the Board. At the regular meetings, the Chair shall report on the status of the Board, the Dean shall report on the status of the School, and the Chairs of the Standing Committees and Ad hoc committees shall report on their

status. Robert's Rules of Order shall govern the conduct of all meetings of the Board. When such rules are in conflict with the Bylaws, the latter shall govern.

Section 4: Recommendations of the Advisory Board
All recommendations of the Advisory Board are advisory to the Dean for implementation at his/her discretion.

Section 4: Minutes
Minutes of each Advisory Board meeting shall be recorded and available to all members within 30 days after each meeting date.

ARTICLE VI
Duties of Officers

Section 1: Chair
1. To preside at all meetings of the Board.
2. To submit to the Board for approval a list of members willing to serve on committees.
3. To appoint standing and ad hoc committees as may be required for the resolution of matters not already covered by these Bylaws. Such appointments shall be subject to the approval of the Board.
4. To report to the members of the Board at regular and special meetings.
5. To call special meetings of the Board.
6. To serve as Chair of the Executive Committee.
7. Upon completion of the term as Chair, he/she will move to the Past Chair position and will serve one additional year on the Executive Committee.

Section 2: Chair-Elect
1. To perform the duties of the Chair in the absence of the Chair.
2. To serve on the Executive Committee.
3. To chair the Nominating Committee, a sub-committee of the Executive Board. The Nominating Committee shall recommend Board membership and present a slate of officers to the Executive Committee.
4. To perform other duties as may be conferred by the Chair consistent with the Bylaws.

Section 3: Secretary
1. To keep accurate records.
2. To preserve all documents and records determined by the Board to be a part of its official records.
3. To conduct correspondence as directed by the Board.
4. To serve as an ex-officio member of all committees of the Board.
5. To record the proceedings of all regular and special meetings of the Board.
6. To serve on the Executive Committee.

Section 4: Immediate Past Chair
1. To perform the duties of the Chair in the absence of the Chair and Chair-Elect.
2. To perform other duties as may be conferred by the Chair consistent with the Bylaws.
3. To serve on the Executive Committee.

ARTICLE VII
Committees

Section 1: Executive Committee
The Executive Committee of the Board shall be comprised of the Chair of the Board, Chair-Elect of the Board, Secretary of the Board, Immediate Past Chair of the Board, At-Large Member, and the Dean of the College of Business, Economics, and Computing. The At-Large Member shall be selected by a majority vote of the remaining members of the Executive Committee. The Executive Committee shall recommend Board membership and present a slate of officers to the membership.

Section 2: Standing Committees
The Board shall establish Standing Committees. All Committees shall report to the Board at regular and special meetings, when appropriate. The Standing Committees of the Board are:
1. Executive Committee
2. Industry/Education Partnership Committee
3. Public Relations Committee
4. Resource Committee

Section 3: Ad Hoc Committees
The Chair of the Board shall appoint ad hoc committees as may be required subject to approval by a majority vote of those present at a duly called meeting of the Board

Section 4: Formation of Committees
The procedure for forming the committees shall be as follows:
1. The Chair of the Board shall submit a list of names of members willing to serve on committees to the Executive committee. The committee memberships will be approved by the Executive Committee.
2. The Chair of the Board shall appoint a Committee Chair.
3. A quorum for any committee meeting shall be three members.

ARTICLE VIII
Amendments

Section 1: Recommendations
These Bylaws may be amended at any duly held meeting of the Board. Notice of the proposed changes must be on the agenda of the meeting at which the changes are to be considered. All proposed amendments to the Bylaws shall be referred to the Chair of the Board for inclusion on the agenda of the next regular meeting.

Section 2: Voting
A majority vote of the members present at a duly called meeting of the Board shall be required for the Bylaws to be amended.

ARTICLE IX
Finances

Section 1: General Provisions
There shall be no dues required for membership on the Advisory Board. Any unrestricted monies received as contributions or gifts through the Board shall be deposited in the University of Wisconsin-Parkside Foundation on behalf of the College of Business, Economics, and Computing.

Adopted October 20, 2000
Amended October 8, 2001
Amended January 27, 2003
Amended April 30, 2007
Amended February 12, 2013

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