The E.U. Electronic Freight Initiative and Its Software Engineering Framework

Date: Thursday, January 19, 2012
Time: 12:00pm - 1:00pm
Speaker: David A. Marca, OpenProcess, Inc.
Agenda: Informal networking will begin at 11:30am. Presentation will begin at 12:00pm.
Location: Promega BioPharmaceutical Technology Center
5445 E Cheryl Pkwy, Room Number: 122
Madison, WI 53711
Menu: Lunch meal provided: $5 for IEEE members, $10 for non-members, free for students.
RSVP: Deadline: January 16. Go to https://meetings.vtools.ieee.org/meeting_view/list_meeting/9929 to register. Please send questions or difficulties to Mark Vincent at mvincent@ecw.org.

Non-member guests are always welcome!

Abstract
The e-Freight Project is the next generation concept for electronic support of trade and transport throughout the E.U. It proposes a means for integrating and unifying the many and varied current developments for dealing with regulatory information management at both national and E.U. levels. The project will provide a unified solution allowing: a) business to submit regulatory information for both customs and transport, independent of mode or route, and b) authorities to share information on policy, operation, security, safety and risk management. This talk will give an overview of the e-Freight initiative, and present the prescribed software engineering approach. An overview of solution architecture, requirements specification, and application development will be discussed, and we will also look at how the software engineering methods are integrated into a unified framework through the automated development environment.

Biography
David A. Marca is president and founder of OpenProcess, Inc., a consulting firm specializing in strategic planning, systems analysis and design, and e-Business. David is also a certified faulty member for the University of Phoenix Online School, and is on the adjunct faulty of Edgewood College’s School of Business and Computer Science Department. His six books and 27 papers cover e-Business, business process design, workflow, and software engineering. His latest book with the IEEE is "Open Process Frameworks: Patterns for the Adaptive e-Enterprise". David also holds a patent in workflow technology, and is a Senior Member of the IEEE.

IEEE Entrepreneurs & Consultants Network, Madison Networking Meeting

Date: Thursday, February 2, 2012
Time: 12:00pm to 1:00pm
Purpose: Presentation, topic TBD.
Location: Madison Area Technical College (MATC West Campus)
302 S. Gammon Road (Across from West Towne Mall)
Madison, WI 53717 ... Telephone: 608-246-6100
Parking: Open parking, so come early to get a closer spot.
Process: Members are encouraged to make introductions, describe endeavors, and make request for: contacts in target companies, needs, resources. Bring your elevator speech and rolodex!
RSVP: Tim Chapman (PrettyGoodGULs@TrueNym.NET)
Recent Significant Changes to Patent Law

Date: Thursday, February 16, 2012
Time: 12:00pm - 1:00pm
Speaker: James Joyce
Agenda: Informal networking will begin at 11:30am. Presentation will begin at 12:00pm.
Location: Promega BioPharmaceutical Technology Center
5445 E Cheryl Pkwy, Room Number: 122
Madison, WI 53711
Menu: Lunch meal provided: $5 for IEEE members, $10 for non-members, free for students.
RSVP: Deadline: January 16. Go to https://meetings.vtools.ieee.org/meeting_view/list_meeting/9931
Non-member guests are always welcome!

Abstract
Protecting innovation in today’s environment requires the consideration of intellectual property rights. A patent is often considered the most popular and concrete intellectual property right. This talk will discuss the basic requirements for the patentability of an invention, as well as various considerations to be mindful of during the patent process. In addition, some of the latest developments in patent law will be discussed. In particular, the Leahy-Smith America Invents Act (AIA) will be reviewed. The AIA is a United States federal statute that was passed by Congress and signed into law on September 16, 2011. This law represents a significant change to the U.S. patent system since 1952, including key changes that can affect every inventor.

Biography
James Joyce is a patent attorney in the Madison office of Whyte, Hirschboeck, and Dudek. Mr. Joyce focuses his practice on patent law with technical expertise in the electrical, computer, software and mechanical fields. After receiving his B.S.E.E from the University of Wisconsin – Madison in 1995, Mr. Joyce practiced as an engineer for several years. Before leaving the engineering field to attend law school in 2002, he worked as both a field engineer and a project engineer. While working as a field engineer, Mr. Joyce was responsible for programming and troubleshooting various PLC/MMI controlled blending machines, fillers, and chillers. As a project engineer, Mr. Joyce designed building systems for the architectural and engineering firm Mead & Hunt. The various building systems included power, lighting, communication, security, and fire annunciation systems. Mr. Joyce graduated with honors from Franklin Pierce Law Center in 2005. Franklin Pierce Law Center, which is now incorporated with the University of New Hampshire, was the fourth ranked Intellectual Property School in the United States in 2011.

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RSVP: Tim Chapman (PrettyGoodGUIS@TrueNym.NET)
### SECTION Meetings
The third Thursday of Jan.-May and Sep.-Dec. is reserved for a meeting to provide recent research, developments, trends and/or innovations in one of our membership’s technical areas.

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<th>Section Meeting Schedule for 2012 (schedule subject to change)</th>
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<td><strong>January 19</strong>, EU e-Freight Software Initiative by David Marca, at Promega</td>
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<td><strong>February 16</strong>, Patent Law by James Joyce, at Promega</td>
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<td><strong>March 15</strong>, Electromagnetic Compatibility by Paul Moeller, at UW Engineering Hall</td>
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<td><strong>April 27</strong>, Network Coding, Distinguished Lecture, by Abdelhak Zoubir, at Promega</td>
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### NETWORKING Meetings
The first Thursday of every other month is reserved for a meeting to provide networking opportunities for members who are consultants or entrepreneurs. Bring your elevator speech and rolodex!

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Join the Madison Section Network at [LinkedIn](https://www.linkedin.com)
Selection of Officers
At the December monthly meeting, the IEEE Madison Section conducted its annual officer elections prior to the presentation:

2012 Officers
David Marca, Chair
dmarca@openprocess.com
Steve Schulttheis, Vice Chair
ss@sceee.org
Charles Gervasi, Treasurer
cj@gervasi.com
Mark Vincent, Secretary
mvincen@ecw.org
Tim Chapman, Web Master
prettygoodguis@trueym.net

2012 Members at Large
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Craig Hallman
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We thank the following sponsors for their support of the IEEE Madison Section, and for the valuable opportunities and services they provide to the Section and to its membership:

Underwriters Laboratories has officially accepted D.L.S. Conformity Assessment, Inc., a subsidiary of D.L.S. Electronic Systems, Inc., into their Third Party Test Data Program. This program allows D.L.S. to test directly to UL standards for ITE, audio/video, medical devices and equipment, and laboratory test and measurement equipment for formal listing. Manufacturers will be able to complete their EMC, Safety and Environmental testing requirements all under one roof, saving them time and allowing them to speed their product to market. This program provides for a formal UL listing for U.S. and Canadian safety standards. Please go to www.dlsinc.com/ul for more information on this program.
IEEE Membership Level Upgrades
Those interested in upgrading their IEEE membership level should send their resumes or other information showing five years of significant performance in an IEEE-designated field to Charles J Gervasi (cj@cgervasi.com). Madison Section Board will attempt to find Senior IEEE members knowledgeable in the applicant’s area of practice who may be able to provide references. You are invited to attend the informal networking portion of the monthly Section meetings (starting at 11:30am) to meet the Section Board members and discuss intentions.

2012 Section Board Members
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Steve Schultheis      Vice Chair
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For address changes: notify IEEE headquarters at: http://www.ieee.org/ or address-change@ieee.org. Editorial or comments contact: David Marca at: dmarca@openprocess.com.

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The Institute of Electrical and Electronics Engineers or IEEE (read I-Triple-E) is an international non-profit, professional organization dedicated to advancing technology innovation and excellence for the betterment of humanity. IEEE and its members inspire a global community through IEEE’s highly cited publications, conferences, technology standards, and professional and educational activities. It has the most members of any technical professional organization in the world, with more than 300,000 members in around 150 countries. The IEEE consists of 38 societies, organized around specialized technical fields, with more than 300 local organizations that hold regular meetings. For more information, please visit: www.ieee.org.

Reach over 700 IEEE members in South-Central Wisconsin with information on your products and services every month with an ad in this newsletter.
Our members have professional interests in computers, power engineering, signal processing, communications, industry applications and a number of other technical fields
For more information, contact Mitch Bradt at 608-263-1085 or bradt@wisc.edu.

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