

IECON 2014 - 40th Annual Conference of the IEEE Industrial Electronics Society

The Institute of Electrical and Electronics Engineers (IEEE) Industrial Electronics Society will sponsor IECON 2014, the 40th Annual Conference of the IEEE Industrial Electronics Society. The conference will be held Oct. 29 - Nov. 1, 2014, at the Sheraton Dallas Hotel in Dallas, Texas. Throughout the past 40 years, IECON has excelled in showcasing creativity, in providing an ideal environment for technical exchange and networking, and most importantly in emphasizing the applied nature of the industrial electronics/informatics over a wide range of industries. Industrial electronics, as a set of enabling technologies, embodies an integral part in electrification of transportation industry, modernization of the electric power grid, integration of energy storage and renewable sources, robotics, artificial intelligence, and many other technologies whose successful implementations are crucial in moving towards energy sustainability. To address the latest achievements and breakthroughs on these topics, IECON 2014 offers a rich and comprehensive menu for professionals. Agenda items for the 40th conference will include applications of power electronics, artificial intelligence, robotics, and nanotechnology in electrification of automotive, military, biomedical, and utility industries. For more information, contact Babak Fahimi at 972-883-6609 or e-mail fahimi@utdallas.edu. Register online at <http://iecon2014.org/>.

Complex Adaptive Systems Conference

The International Council on Systems Engineering (INCOSE) will sponsor a Complex Adaptive Systems Conference Nov. 3-5, 2014, at the DoubleTree by Hilton in Philadelphia, Penn. This year's conference theme will be "Conquering Complexity: Challenges and Opportunities." Multi-faceted systems of the future will entail complex logic and reasoning with many levels of reasoning in intricate arrangement. The organization of these systems involves a web of connections and demonstrates self-driven adaptability. They are designed for autonomy and may exhibit emergent behavior that can be visualized. Participants will learn how to continue to handle complexities, design, and operation of these systems. An example of such systems would be neuromorphic machine technology that scales to biological level computation like "Systems of Neuromorphic Adaptive Plastic Scalable Electronics" (SyNAPSE)—a Defense Advanced Research Projects Agency program, as well as Deep Learning algorithms that can provide adaptive behavior to these systems of large-scale distributed networks through leveraging big data. Register online at <http://complexsystems.mst.edu/>.

33rd Annual Government Contract Management Symposium 2014

The 33rd Annual Government Contract Management Symposium will be held Nov. 3-4, 2014, at the Washington Marriott Wardman Park in Washington, D.C. The theme for this year's event will be "Building the Contract Management Structure for Continued Business Growth." Join the National Contract Management Association's annual conference, featuring influential speakers and progressive sessions. The content that will be covered this year will allow attendees to learn and be a part of achieving continued growth in contract management.

Attendees will learn about and discuss:

- New and potential acquisition improvement legislation, as well as discussions on Capitol Hill;
- Working through continued budget constraints and program uncertainty;
- New initiatives to improve government and industry relationships and communication;
- Identifying and bringing new technologies and innovative companies, models and business practices to government and industry customers;
- Improving program performance;
- Best value techniques (including when lowest priced technically acceptable is most applicable);
- Managing through a changing workforce and culture; and
- Learning what acquisition will look like in the future.

In addition, attendees will earn 13 Continuing Professional Education (CPE) hours for their attendance. Register online at <http://www.ncmahq.org/GCMS14Conference.cfm?ItemNumber=19017>.

26th Annual International Integrated Program Management (IPM) Workshop

The 26th Annual International Integrated Program Management (IPM) Workshop will be held Nov. 3-5, 2014, at the Bethesda North Marriott Hotel & Conference Center in Bethesda, Md. The 2014 IPM Workshop is your chance to learn about project performance techniques, including earned value management (EVM). The workshop provides training, current topics from practicing professionals, access to world leaders in project performance management, networking, and the latest in software and consulting to make your program successful. For more information, call 301-822-9200 or register online at <http://ipmconference.org/conference-program/>.

NDIA Gulf Coast Chapter 40th Air Armament Symposium

The National Defense Industrial Association (NDIA) will sponsor the 40th Air Armament Symposium Nov. 4-5,

2014, at the Emerald Coast Convention Center in Fort Walton Beach, Fla. This year's symposium theme will be "40 Years of Warfighting, Innovation, and Partnership." Participants at this two-day interchange will be senior government (federal, state and local), and industry leadership to identify and share opportunities to capitalize on the DoD's affordability-focused leadership. In addition to networking opportunities with other armaments professionals, participants will discuss application to current and planned armaments development and modernization. The conference will offer professional training accreditation as well as numerous defense industry armament exhibits. For more information, contact Pat Swartz at pat@saameetings.com or 850-566-0089. Register online at <http://www.ndia.org/meetings/C060/Pages/default.aspx>.

DoD Hard Capability Problem Technical Exchange Workshop

The National Defense Industrial Association (NDIA) Command, Control, Communications, Computers, Intelligence, Surveillance and Reconnaissance (C4ISR) Division will present a DoD Hard Capability Problem Technical Exchange Workshop on Nov. 5, 2014, at Alion Federal Gateway in Washington, D.C. This Workshop will be held at the SECRET/U.S. ONLY classification. A security clearance is required for admittance. Principal Deputy Assistant Secretary of Defense for Research and Engineering Al Shaffer, along with senior technologists and scientists, will present to industry what has been identified as "hard problems" facing the Department of Defense as it addresses the post-Afghanistan/Iraq defense drawdown. This workshop will examine the challenges of the global security environment and identify specific challenges that have been identified as hard problems facing the DoD. The workshop will provide an opportunity for industry to gain an in depth understanding of these problems at a classified level. For more information, contact Molly Holt at mholt@ndia.org or 703-247-2572. Register online at <http://www.ndia.org/meetings/592G/Pages/default.aspx>.

How Washington Works® - Navigating the DoD

The "How Washington Works® - Navigating the DoD" two-day training course will be conducted Nov. 5-6, 2014, at WBB, Inc., in Reston, Va. Ever wondered how the Department of Defense (DoD) goes about buying something from start to finish? The How Washington Works® training course gives those who attend the understanding and insights into the processes that guide DoD actions and decisions for the future. The two-day course is a fast-paced overview of the three principal DoD decision-making support systems and how they are used by the Army, Navy, Air Force, Marine Corps, and U.S. Special Operations Command (USSOCOM)

to provide an integrated approach to strategic planning, capabilities needs assessment, systems acquisition, and program and budget development. How Washington Works® is ideal for those who are new to or routinely do business with the DoD. Participants will be provided the fundamental concepts and background of the Joint Capabilities Integration and Development System (JCIDS), Defense Acquisition System (DAS), and the Planning, Programming, Budgeting and Execution (PPBE) process. Participants will then review how the individual Services and USSOCOM: implement the DoD processes through their requirements generation and justification, and PPBE organizations through their tailored internal processes and their current strategic resource priorities. The course is taught by a cadre of highly qualified and experienced instructors who have extensive prior government service (military and civilian) as well as continued expertise through ongoing consulting and technical services. For more information, contact L. Bleich at bleich@ndia.org or 703-247-2588. Register online at <http://www.ndia.org/meetings/543A/Pages/default.aspx>.

2014 Second International Workshop on Software Engineering for High Performance Computing in Computational Science & Engineering (SE-HPCCSE)

The Institute for Electrical and Electronics Engineers (IEEE) Computer Society and the Association for Computing Machinery (ACM) will sponsor the 2014 Second International Workshop on Software Engineering for High Performance Computing in Computational Science & Engineering (SE-HPCCSE). This event will be held Nov. 21, 2014, at the Ernest N. Morial Convention Center in New Orleans, La. The workshop is concerned with identifying and applying appropriate software engineering (SE) tools and practices (e.g., code generators, static analyzers, validation + verification [V&V] practices, design approaches, and maintenance practices) to support and ease the development of Computational Science & Engineering (CSE) software for High Performance Computing (HPC). For more information, contact Jeffrey Carver at carver@cs.ua.edu. Register online at <http://sehpcse14.cs.ua.edu/>.

2014 IEEE Green Energy and Systems Conference (IGESC)

The 2014 IEEE Green Energy and Systems Conference (IGESC) will be held Nov. 24 at The Walter Pyramid, California State University, in Long Beach, Calif. The proposed conference intends to bring together researchers and practitioners from relevant fields to present and disseminate ongoing research for the green energy and associated technology. Conference topics include but are not limited to: integration of distributed generation resources, solar energy, bio-gas, fuel cells, smart grids, power systems, communications,

signal processing, power quality, instrumentation, demand response, electrical vehicles, energy storage, advanced metering infrastructure, real-time control methods, and environmental related topics, etc. For more information, contact Clarice Ross at 562-985-8050 or Clarice.Ross@csulb.edu. Register online at <http://sites.ieee.org/class-sysc/green-energy/ieee-green-energy-systems-conference-igesc-2014/>.

2014 Winter Simulation Conference - (WSC 2014)

The Institute for Electrical and Electronics Engineers will sponsor the 2014 Winter Simulation Conference (WSC 2014) Dec. 7-10, 2014, at the Savannah Int'l Trade & Convention Center in Savannah, Ga. The WSC is the premier international forum for disseminating recent advances in the field of system simulation. In addition to a technical program of unsurpassed scope and quality, WSC provides the central meeting place for simulation practitioners, researchers, and vendors working in all disciplines in industry, military service, government, and academic sectors. For more information, contact Jeff Joines at 919-368-0961 or jeffjoines@ncsu.edu. Register online at <http://www.wintersim.org>.

GLOBECOM 2014 - 2014 IEEE Global Communications Conference

The Institute for Electrical and Electronics Engineers (IEEE) will sponsor the 2014 IEEE Global Communications Conference (GLOBECOM 2014) Dec. 8-12, 2014, at the Hilton Austin Hotel in Austin, Texas. IEEE GLOBECOM is one of the most significant scientific events of the networking and communications community—a must-attend event for scientists and researchers from industry and academia. This event will provide a full program of technical and professional activities spanning the range of hot topics in voice, data, image, and multimedia communications. For more information, contact June Leach-Barnaby at 212-705-8940 or j.leachbarnaby@comsoc.org. Register online at <http://globecom2014.ieee-globecom.org/>.

2014 IEEE Symposium on Computational Intelligence in Production and Logistics Systems (CIPLS)

The Institute for Electrical and Electronics Engineers (IEEE) will sponsor the 2014 IEEE Symposium on Computational Intelligence in Production and Logistics Systems (CIPLS) Dec. 9-12, 2014, at the Caribe Royale All Suites Hotel and Convention Center in Orlando, Fla. The management of production and logistics systems in today's fierce competition environment is a difficult task and has become progressively complex. Major changes in products, processes, technologies, and societies bring along remarkable challenges and increasing market demands. Modeling and optimization of complex problems arising in production and logistics systems are of paramount importance in surviving and achiev-

ing competitive gains in productivity and quality. For more information, contact Haibo He Kelley at 401-874-5844 or he@ele.uri.edu. Register online at <http://www.ieee-ssci.org/glance.html>.

2014 IEEE International Conference on Evolvable Systems (ICES)

The Institute for Electrical and Electronics Engineers (IEEE) will sponsor the 2014 IEEE International Conference on Evolvable Systems (ICES) Dec. 9-12, 2014, at the Caribe Royale All Suites Hotel and Convention Center in Orlando, Fla. Evolvable systems encompass understanding, modeling, and applying biologically inspired mechanisms to physical systems. Application areas for bio-inspired algorithms include the creation of novel physical devices/systems, novel or optimized designs for physical systems and for the achievement of adaptive physical systems. Having showcased examples from analogue and digital electronics, antennas, MEMS chips, optical systems as well as quantum circuits in the past, the IEEE ICES has become the leading conference for showcasing techniques and applications of evolvable systems. For more information, contact Haibo He Kelley at 401-874-5844 or he@ele.uri.edu. Register online at <http://www.ieee-ssci.org/glance.html>.

2014 Aircraft Survivability Technical Forum

The National Defense Industrial Association will sponsor the 2014 Aircraft Survivability Technical Forum Nov. 12-14, 2014, at the Johns Hopkins University Applied Physics Laboratory (The Kossiakoff Center) in Laurel, Md. The theme for the 2014 forum will be "Air Combat Survivability Across the Spectrum of Contested Airspace." The goal of this three-day, classified forum is to foster technical dialogue and exchange of information on current and emerging threats, and the aircraft technologies being developed and tested for surviving these threats. Given the current fiscal challenges facing the U.S. Government and Department of Defense budgets, the goal of this year's forum is to capture the critical 'Pull' of advanced and/or asymmetric threat technologies and tactics, and the counter-balancing 'Push' of budget realities on the development, integration, procurement, and sustainment of the technologies and force structure required to project air power in the future highly contested air space. This event is classified, SECRET/U.S. ONLY. A security clearance is required to attend. For more information, contact Meredith Hawley at mhawley@ndia.org or 703-247-9476. Register online at <http://www.ndia.org/meetings/5940/Pages/default.aspx>.

Reagan National Defense Forum

The Reagan National Defense Forum (RNDF) will be held Nov. 15, 2014, at The Ronald Reagan Presidential Library in

Simi Valley, Calif. The theme for the forum will be “Building Peace Through Strength for American Security.” The RNDF brings together leaders and key stakeholders in the defense community, including members of Congress, civilian officials, and military leaders from the Defense Department and industry, to address the health of our national defense and stimulate a discussion that promotes policies that strengthen the U.S. military in the future. In an era of fiscal austerity where the threats to our national security are increasing in number and complexity, the RNDF will allow senior leaders from the defense community to come together with viewpoints on how best to deal with it. Though President Reagan left office many years ago, the U.S. military continues to benefit from his commitment and vision for a strong military. Recognizing that today’s decisions will affect the military’s capabilities for years to come, the RNDF will charge leaders from current and past Administrations and Congress to look beyond the immediate issues facing the military and explore how we can build a strong national defense for the future. Register online at <http://www.ndia.org/meetings/RNDF/Pages/default.aspx>.

2014 IEEE 53rd Annual Conference on Decision and Control (CDC)

The Institute for Electrical and Electronics Engineers (IEEE) will sponsor the 2014 IEEE 53rd Annual Conference on Decision and Control (CDC) Dec. 15-17, 2014, at the J.W. Marriott Hotel in Los Angeles, Calif. The CDC is recognized as the premier scientific and engineering conference dedicated to the advancement of the theory and practice of systems and control. This event annually brings together an international community of researchers and practitioners in the field of automatic control to discuss new research results, perspectives on future developments, and innovative applications relevant to decision making, automatic control, and related areas. For more information, contact Faryar Jabbari at 949-824-5433 or fjabbari@uci.edu. Register online at <http://control.disp.uniroma2.it/cdc2014/>.

19th Annual Expeditionary Warfare Conference

The 19th Annual Expeditionary Warfare Conference will be held Nov. 17-19, 2014, at the Norfolk Marriott Waterside in Norfolk, Va. The theme for the conference will be “Joint Expeditionary Warfare Challenges and Opportunities.” The conference will feature keynote speakers and meaningful sessions on Current Expeditionary Issues and Service/Operational Perspectives, Combat Development & Integration, and Sea-Basing. For more information, contact Molly Holt at mholt@ndia.org or 703-247-2572. Register online at <http://www.ndia.org/meetings/5700/Pages/default.aspx>.

Interservice/Industry Training, Simulation and Education Conference

The Interservice/Industry Training, Simulation and Education Conference (I/ITSEC) will be held Dec. 1-5, 2014, at the Orange County Convention Center in Orlando, Fla. The I/ITSEC promotes cooperation among the armed services, industry, academia, and various government agencies in pursuit of improved training and education programs, identification of common training issues, and development of multi-Service programs. Register online at <http://www.iitsec.org/Pages/default.aspx>.

NDIA Mastering Business Development Workshop

The National Defense Industrial Association (NDIA) will sponsor a Mastering Business Development Workshop Dec. 2-3, 2014, at the Waterford at Springfield in Springfield, Va. The Mastering Business Development® Workshop is an educational and professional development program that focuses on the thinking, process, and discipline required for professional business development. This two-day workshop fosters participants’ understanding of the core competencies required for success in the business development role. This interactive, participant-centered workshop introduces the MBDi Business Development Process®, with its early shaping Opportunity Identification & Qualification component and the MBDi HUMINT® Client Engagement Process. Through the instructor’s use of Socratic teaching techniques, participants will acquire the knowledge, thinking, skills and discipline required to proactively engage clients from a program management perspective. For more information, contact Camille Briggs at cbriggs@ndia.org or 703-247-2570. Register online at <http://www.ndia.org/meetings/507A/Pages/default.aspx>.