IEEE Global Humanitarian Technology Conference (GHTC)

October 30 – November 1, 2011
Seattle, Washington
Technology for the Benefit of Humanity
Sponsored by IEEE Seattle Section and IEEE Region 6

GHTC Steering Committee
Volunteers Brief Biography

Conference Chair
Paul J. Kostek
IEEE Senior Member

Conference Chair: Paul J. Kostek (p.kostek@ieee.org)

Paul J. Kostek is the Principal of Air Direct Solutions, a systems engineering/project management consulting firm. He works with companies in defining system architecture, system requirements, and software development standards. Paul received his BS from the University of Massachusetts, Dartmouth.

Paul was the IEEE-USA VP Communications & Public Awareness and on the IEEE-USA Board of Directors in 2007-2009. And also has served as chair of the IEEE Individual Benefits and Services Committee and a member of the IEEE-USA Government Fellows Committee.

In 1999 Paul was the President of IEEE-USA, and a member of the IEEE Board of Directors. He served as President of the IEEE Aerospace & Electronics Systems Society in 2000-2001 and Chaired the American Association of Engineering Societies in 2003. Paul was the Chair of the 2006 IEEE/AIAA Digital Avionics Systems Conference and was General Chair of the 2004 IEEE Intelligent Transportation Systems Conference. He is an AIAA Distinguished Lecturer and an IEEE-USA SPAC Speaker. He is a member of the Seattle Central Community College IT Technical Advisory Committee.

Paul is a Senior Member of the IEEE, an Associate Fellow of the American Institute of Aeronautics and Astronautics and a member of the International Council on Systems Engineering, SAE, and the Project Management Institute.

Technical Program
Chair
Keith Moore
IEEE Senior Member

Technical Program Chair: Keith Moore (keith.moore@ieee.org)

Keith Moore currently works for the US Army Information Systems Engineering Command as a senior engineer at Fort Huachuca, Arizona. Keith's career has taken him all over the world to establish and maintain computer and communications systems. Keith has served in a number of volunteer and other organizations to work with others for the good of all stakeholders. These experiences have involved organizations such as federal and state governments, Big Brothers/Big Sisters, IEEE, local and indigenous churches, and others. Keith has served as a big brother, engineer, missionary, science fair judge, Future City Competition mentor, gymnastics coach, and firefighter/EMT. Keith holds a bachelor degree in electrical engineering and a master in business administration and management information systems. Keith maintains professional engineer status as granted by the Arizona State Board of Technical Registration.

Keith has championed the IEEE Humanitarian Technology Challenge (HTC) Student Design Challenge competition. Currently, Keith is the Fort Huachuca Section Treasurer and PACE Chair. In the past, he was the Section Chair, Vice-Chair and Secretary. In 2009, Keith was the IEEE Consumer Electronics Society Industry Relations Officer. With Reliability Society, Keith is involved on the IEEE Standards revision with IEEE Reliability Society.

Publicity Chair
Soon Wan
IEEE Senior Member

Publicity Chair: Soon Wan (gimsoon@ieee.org)

Soon is a Senior Design Engineer in the Research and Development Engineering group at VICOR Corporation (Andover, MA). He works with a team to design and develop high power density DC/DC power converter with innovative technologies and patented topologies.

Soon began volunteering for IEEE when he joined IEEE as a student member in 1996. Currently, he is a Senior Member in IEEE. Soon has been serving IEEE GOLD (Graduates Of the Last Decade) Community with young professionals since 2000, when he founded Boston GOLD Affinity Group. He was the 2007-2008 IEEE MGA GOLD Committee Chair.

Soon is also very active in IEEE Humanitarian Activities. In order to create awareness among engineering students and young professionals on how they could use their skills and knowledge to aid humanitarian works, Soon has successful organized the inaugural GOLD Humanitarian Workshop in Boston in 2008. In addition, Soon initiated the GOLD Humanitarian Fellowship Program in 2009. In 2010, Soon was a member of IEEE Humanitarian AdHoc Committee, and a co-responding member to IEEE Humanitarian Technology Challenge, and with the Reliable Electricity Solution Workgroup. Since 2008, Soon is a co-responding member to IEEE Committee on Earth Observation (ICEO), and was working on the IEEE "Water for the World" initiative.

Registration Chair
Richard Wilkins
IEEE Senior Member

Registration Chair: Richard Wilkins (wilkins@ieee.org)

Richard "Dick" Wilkins is Principal Technology Liaison for Phoenix Technologies. He manages the company's technical relationship with industry bodies like UEFI, TCG, ACPI, DMTF and others. He also acts as technical point-of-contact with major partner companies as relates to Phoenix's core system software and firmware products. He has previously held progressively more responsible positions with companies such as Hewlett-Packard, Microsoft, Amazon.com, Digital Equipment Corp. and was Director of Engineering for Bsquare, a mobile device products software company.

Dick has been member of the IEEE for nearly twenty years. As a senior member, he has chaired the Computer Society Seattle Chapter for several years and is currently Seattle Section chair after serving as secretary, treasurer and vice-chair. He was a founding member of the committee that created the successful Seattle IEEE Wireless Workshop held twice in recent years. He is also active in the ACM and PMI. Dick also shares his experience in technology and project management with students at DeVry University and the Keller Graduate School of Management as an adjunct professor.

Dick holds a BA from St. Thomas University, a Masters in Computer Science from the National Technological University and is a PhD candidate in Computer Science at Nova Southeastern University. He holds a patent in highly available cluster computing technology.

Finance Chair
Larry Hamerman
IEEE Senior Member

Finance Chair: Larry Hamerman (l.hamerman@ieee.org)

Publications Chair: Joe Decuir (jdecuir@ieee.org)

Joe is a standards architect at Cambridge Silicon Radio (CSR plc). He has been driving and contributing to public communications standards in Bluetooth, IEEE 802, ITU-T, TIA, USB-IF and WiMedia Alliance for decades. His day job is to develop Bluetooth Low Energy (4.0), particular for Health, Medical and Smart Home applications.

Joe currently serves at the Northwest Area chair in IEEE Region 6, coaching Sections in Alaska, Oregon, and Washington. He has served as a Seattle Section Officer, Communications Society Chapter chair and a Student Activities Chair. He has given dozens of presentations to IEEE chapters on communications topics, and organized two Wireless Workshops.

This is Joe's first chance to directly support IEEE's mission to promote Technology for Humanity. He serves as an officer in the Issaquah Citizens' Corps, part of a US Federal Emergency Management Agency program for volunteer first-responders (CERT).

Publications Chair
Joe Decuir

Tutorials Chair: Kambiz Rahimi (kamr@ieee.org)

Kambiz Rahimi received B.S., M.S., and Ph.D. degrees in electrical engineering from University of Washington, Seattle. He is a Principle Scientist with Broadcom Corporation. Prior to Broadcom, he worked on RFID chips at Impinj and on multi-threaded processors and network chips for Cray computers at Cadence Design Systems. He also developed SRAM compilers at Cascade Design Automation and did sensor research as a Hirshfeld fellow at Center for Process Analytic Chemistry, University of Washington. He has authored several technical papers and one book on adaptive circuits, computer-aided design, design optimization, and device modeling and is an inventor on several patents related to RFID systems. Kambiz has been a contributor, reviewer, and organizer for several IEEE conferences and workshops. He is a Senior Member of IEEE and has severed as the Seattle Section's Secretary, Treasurer, and Vice Chair.
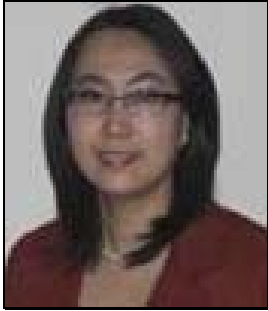
Tutorials Chair
Kambiz Rahimi
IEEE Senior Member

Webmaster: Lise Johnston (lise.johnston@ieee.org)

Lise Johnston works in the electrical architectural design field. She works on everything from lighting to security systems, communications, power distribution, everything electrical that goes into a building. Her interests include green buildings and sustainable design, renewable energy, smart grids, playing the piano and traveling. Previous jobs had her working in contract and project management.

Currently, Lise is the Editor-In-Chair for the IEEE Potentials Magazine, and IEEE Student Activities Representative to MGA GOLD Committee.

Webmaster
Lise Johnston
IEEE GOLD Member

Sponsorship and Exhibit Chair: Wah Garris (**myintwa@ieee.org**)

Wah Garris is originally from Rangoon, Burma, now called Yangon, Myanmar. She came to U.S. to finish her education. Her professional experiences are in an International Aviation Operations Management, Systems Integration, Robotics, Automation and control in various manufacturing sectors, Air Force Base, Corporate Banking Technology Change Initiatives at an Enterprise level, Joint Venture Strategic Project Management and Delivery. Her role model is her mother who is also in an International Business and Aviation field for over 35 years. She is now married and live in Peachtree City, Georgia which is a planned city where anyone can go anywhere in the city with a golf cart.

Wah received Bachelor of Computer Engineering from Auburn University, AL. She is also certified with Project Management Certification, PMP, and Advanced Certificate in Marketing management from Oxford University.

Wah is the Bank of America Atlanta LEAD for Women Mentoring Program Advisory Board, IEEE Southeastern US and Jamaica coordinator for Graduates Of the Last Decade (GOLD) program, and the Peachtree City Citizen's Police Academy & Community Emergency Response Team.

Wah enjoys traveling around the world, tasting different varieties of food, spending time with family, reading and music.

Sponsorship and
Exhibit Chair
Wah Garris
IEEE GOLD Member

Publicity Team: Verona Wong (**vwong@ieee.org**)

Verona Wong is a Product Verification Engineer at semiconductor firm PMC-Sierra, Inc. in Vancouver, Canada. She works with a global team of engineers to develop ASICs for clients like HP, Huawei.

Verona began volunteering for IEEE in 1996 as a student member. Since then, she had held various positions related to student activities and GOLD (Graduates of the Last Decade) in the IEEE GOLD Committee, Region 7 and Vancouver Section. She led Region 7 GOLD Affinity Groups into winning multiple GOLD Awards. In addition, she initiated several successful programs like the GOLD 10th Anniversary Celebration Project and the STEP (Student Transition and Elevation Program). When she was the IEEE GOLD Vice-Chair in 2007, she organised the GOLD Summit at Sections Congress 2008. Looking out to help IEEE become more relevant to members and communities, Verona is keen to support IEEE GHTC.

Publicity Team
Verona Wong
IEEE GOLD Member

Publicity Team: Rob Vice (**vice@ieee.org**)

Robert Vice is a Hardware Design Engineer with Measurement Computing in Norton, Mass. Rob's interests are in the design of data acquisition devices implementing microcontrollers and FPGA's for embedded systems in the test and measurement industries. He holds a Bachelor's Degree in Computer systems Engineering from the University of Massachusetts in Amherst, Massachusetts.

Rob is the IEEE Boston PACE Chair, Region 1 SPAC Coordinator, Region 1 Northeast Area GOLD Support Coordinator, past Chair of the Boston Section GOLD Affinity Group (2008) and various other positions within the Boston GOLD Affinity Group since 2007. He is also a member of the Computer Society and Instrumentation & Measurement Society. Working with the GOLD Affinity Group, he has organized various aspects of conferences and career fairs including the 2008 Humanitarian Workshop and STEP (Student Transition and Elevation Program) events.

Publicity Team
Rob Vice
IEEE GOLD Member

Publicity Team: Uri Moszkowicz (uim@ieee.org)

Uri Moszkowicz is currently the IEEE Region 1 GOLD coordinator. He is a member of the Boston Section, where he holds the position of treasurer. In the past, he served as the GOLD chair for the Boston Section and chair of the Cornell University Student Branch. He currently works for Mentor Graphics in the compiler group for the Veloce Emulation System.

Publicity Team
Uri Moszkowicz
IEEE GOLD Member

Publicity Team: Inessa Pearce (inessaprc@gmail.com)

Inessa is a member of ACS (Seattle Section; Division of Industrial and Engineering Chemistry) and IEEE (Seattle Section; Components, Packaging and Manufacturing Technology Society). She has Engineering Degree in Chemical and Electrochemical Technologies and professional experience with Siemens Medical (medical devise R&D) and Boeing Commercial Airplanes (Electrical Technology Group).

Inessa believes in helping less-fortunate people. She and her family are paying for education of two (three in the past) orphaned children in Uganda through Childcare Worldwide (childcareworldwide.org). She is also a member of a local non-profit group which helps low-income people and families with food and clothing. Inessa is a member of engineeringforchange.org (E4C).

Publicity Team
Inessa Pearce
IEEE Member

Advisory Committee: Ed Perkins (e.perkins@ieee.org)

Edward G. Perkins received BSEE and MSCS degrees from Worcester Polytechnic Institute (WPI), and an MS ECE degree (2004) from Portland State University.

He currently consults in IT Governance, risk management and risk auditing; process automation; and technology documentation. He has over 30 years industry experience, in electronic design automation, program and project management, mixed-signal test development, design services management, chip architecture development, software development, and real time systems programming. He has worked as design services manager for a telecom start-up, as a program manager in the Virtual Test Division of IMS in Beaverton, Oregon, and 16 years at Digital Equipment Corporation, 10 years in the central engineering CAD department where he was responsible for management of CAE services and support to engineering groups worldwide and before that as a principal software engineer in real-time operating systems.

Advisory Committee
Ed Perkins
IEEE Senior Member
Region 6 Director

Advisory Committee:
Michael Andrews (michael@andrews-associates.com)

Mr. Andrews is Managing Partner of Andrews & Associates, a consulting firm specializing in linking strategic plans to Emergency Planning, Continuity of Operations, Business Mitigation, Response and Resumption Planning and Operational Readiness for business, schools and government entities. He is also President of Sound & Optics Systems, a technology corporation responsible for developing products that reduce criminal acts and support emergency response.

Mr. Andrews is a Senior Member of IEEE and is currently serving IEEE members as the Region 6 Director-elect, Member and Geographic Activities Chair/Representative on the IEEE Humanitarian Technology Challenge, Phoenix Section PACE Chair and Phoenix Section Intersociety Liaison. He is also the Arizona Regional Coordinator for the National Engineers Week Future City Competition.

Mr. Andrews' commitment to the community includes the Future City Competition, SMART Education Foundation and the SMART Competition, Salvation Army, Williams Institute for Ethics and Management and Arizona Leader Force. He was awarded an IEEE Millennium Medal for outstanding achievements and contributions to IEEE and the IEEE-USA Robert S. Walleigh Award for Distinguished Contributions to Engineering Professionalism Award. He is an honoree of the Hon Kachina award for his volunteerism and a recipient of the AIA-Arizona Award of Distinction for promoting architecture and city design.

Advisory Committee
Michael Andrews
IEEE Senior Member
Region 6 Director-Elect

Advisory Committee: Dr Lewis Terman (l.terman@ieee.org)

Lew Terman joined the IBM Research Division in 1961. In 1964 he began pioneering work in semiconductor memory, participating in the program that resulted in the first IBM MOS memory products. He continued in the Research Division, working on and managing groups in advanced semiconductor devices and technology, and chip, circuit and high speed processor design. In 2001 – 2003, he was President of the IBM Academy of Technology. He returned to the IBM Research Division in 2003, serving as Associate Director of the Systems Department until retiring in 2006.

On IEEE, Lew has said "I've met many people, learned a lot, and developed organizational and interactive skills more effectively than I could have on the job alone. I am proud to be part of advancing technology, and contributing to its impact on society in general."

A six-year member of the IEEE Board of Directors, and a long time supporter of the IEEE Foundation, Lew was a founding contributor to the IEEE Humanitarian Technology Fund. He is interested in the Fund's focus of applying technology to societal problems and in recognizing the people who advanced science, engineering and technology through the Global History Network and Milestones programs. Additionally, Lew supports the IEEE Awards program because it "recognizes the outstanding contributors to IEEE technology fields who serve as inspiration and role models."

Dr. Terman was the 2008 IEEE President. He was president of the IEEE Electron Devices Society 1990-91, and the IEEE Solid-State Circuits Society from 1998-1999. He was the IEEE Vice President of Technical Activities in 2001, and Division 1 Director 2004-2005. He is a Fellow of the IEEE, received the 1995 IEEE Solid-State Circuits Technical Field Award, and is a member of the US National Academy of Engineering.

Advisory Committee
Dr Lewis Terman
IEEE Life Fellow

Advisory Committee
Dr Jay Pearlman
IEEE Fellow

Advisory Committee: Dr Jay Pearlman (jay.pearlman@ieee.org)

Dr. Jay Pearlman was Chief Engineer of NCOC&EM at Boeing and a Boeing Technical Fellow. He was responsible for advanced development of information systems. Previously he was Northrop Grumman deputy program manager of Hyperion on the NASA EO-1 satellite program and was active on the International Science team for EO-1. He has a Ph.D. from the University of Washington and a B.S. from the California Institute of Technology.

Jay is a Fellow of the IEEE and was IEEE Geoscience and Remote Sensing VP for Information Services. Dr. Pearlman is Past Chair of the IEEE Committee on Earth Observation and Co-Chair of the GEO Architecture and Data Committee, which is the organization building the GEOSS SoS information infrastructure. Through IEEE, he supports programs in Europe and Africa. Jay is a member of the Committee of Earth Studies of the US National Research Council and the US National Academy's Ocean Studies Board. Dr. Pearlman has more than 75 publications and 25 international patents.

Advisory Committee
Rich Baseil
IEEE Consultant

Advisory Committee: Rich Baseil (r.baseil@ieee.org)

Richard J. Baseil is a technology management consultant for IEEE. Most recently, he has been involved in IEEE's multi-year Humanitarian Technology Challenge project to define and solve some pressing humanitarian problems in developing countries, through the application of technology. His 35 years of experience includes working for The RAND Corporation, The MITRE Corporation, and Cisco Systems. He retired as a Vice President and Managing Director in Telcordia Technologies' Professional Services organization, stemming from Bell Laboratories and Bellcore.

Mr. Baseil is accomplished in Business Management (Profit &Loss), Product and Market Development, Organizational Development and Management, and Technology Innovation. He has practiced and managed Systems Engineering, Requirements, Process Analysis, Quality Auditing, Testing, Supplier/Contract Management, Sales Operations, Marketing, and Program Management work. He has served as advisor to suppliers and to purchasers, individually and in-group advisory settings, and has facilitated consortia. He has served on National Research Council Committees advising the U.S. Department of Defense, the FBI, and the U.S. Election Assistance Commission, and he currently teaches Electrical Engineering and Engineering Economics courses at the New Jersey Institute of Technology.

Mr. Baseil holds Bachelor's and Master's degrees, Magna Cum Laude and Summa Cum Laude, in Electrical Engineering from the Newark College of Engineering.