

2008 Annual Conference

Speaker Biographies

The following speakers, presented in alphabetical order by last name, were selected to present papers or to give presentations in the SAVE International 2008 Annual Conference technical program.

James D. Bolton, PE, CVS, PVM

Jim Bolton is a Certified Value Specialist (CVS) and a Professional in Value Management (PVM) conducting numerous Module I workshops globally where he has been the advisor and mentor for over 130 certified AVS practitioners. He is currently a senior engineering manager for Whirlpool where he has global lead responsibility for DFMA and value engineering within the corporation. In June 2003, Bolton was elected to the SAVE International Certification Board where he is currently the director for all re-certifications and in addition, he is the director of administration for the Greater Michigan Chapter of SAVE International. Besides presenting VM technical papers at the last seven SAVE International Annual Conferences, Bolton has also presented VM papers at the Canadian Society of Value Analysis in October of 2001 (Toronto), at the 36th and 38th SJVE conferences (Tokyo, Japan in November 2003 and Nagoya, Japan in September 2005), at the 2nd International Conference of Value Engineering and Enterprise Technology Innovation in 2004 (Hangzhou, China), and the Inaugural Asia Pacific Convention in Hong Kong in November 2006. Jim holds a BSME and MSME from Purdue University, has lectured at various universities in the area of VM, was presented with SAVE International's Rising Star Award and a Presidential Citation at the 44th and 46th Annual SAVE International Conferences respectively, and in March 2005, was elected as a director to the Miles Value Foundation. Previously, Jim spent 23 years at Harrison Division of General Motors (now Delphi Thermal Systems), in a variety of assignments from product design, to purchasing, to manufacturing engineering. During his stay at GM, he earned three U.S. patents on various engine cooling and climate control products while using DFMA and helped build a manufacturing facility with a General Motors/Daewoo joint venture company, DHMS, in Korea from 1986-7. Jim received the DFMA Supporter of the Year Award at the 2007 International Forum on DFMA held in Warwick, RI and is a registered Professional Engineer in both the states of New York and Michigan.

Connie L. Cobo, AVS, PCM

Connie Cobo works at Raytheon Company in the Missiles Systems Business Unit located in Tucson Arizona. Her current position is a senior contracts negotiator. She is an Associate Value Specialist, a Raytheon Certified Six Sigma Expert, and a Certified Professional Contracts Manager. She has over 25 years of contracting experience. She served 20 years in the United States Air Force as a contracting officer, and was also involved in total quality management. Upon beginning her employment with Raytheon, she became trained in Six Sigma. Her interest to learn more about the company and for continuous improvement drove her to become a Raytheon Six Sigma Expert. She has led several projects in manufacturing operations, and support functions for both the business unit and the corporation. Cobo is also an adjunct faculty member for Embry-Riddle University, where she conducts classes in small business management, international business management and international aviation management. She has a Master of Business Administration from Troy State University, Master of Science in procurement and acquisition from Webster University, a Bachelor of Science in management from Park University.

Stephen E. Garrett, CVS

Garrett specializes in value analysis services. Garrett has over 22 years of professional experience including extensive skills in value engineering, cost estimating, scheduling, quality assurance/quality control (QA/QC), strategic planning, project criteria development, and program management for projects using various construction delivery methods. He routinely is involved in large, complex projects for national and international clients. As principal, he typically leads highly skilled, multi-discipline teams in generating strategies, developing project criteria, increasing value, directing planning efforts, and managing project completion efforts. He is also skilled in life cycle costing and frequently participates or runs workshops. His experience includes office, government, manufacturing, institutional, health care, education, and laboratory facilities. Garrett received his Bachelor of Architecture degree from Lawrence Technological University. He is a Certified Value Specialist (CVS) and has been a member of SAVE for 10 years.

Karen J. Gawron, AVS

Gawron is a senior manager at Raytheon, Missile Systems in Tucson, Arizona, and has been working for the company for 24 years. She has over 26 years experience in software engineering, hardware development, and program management. She served as the software engineering center manager responsible for directing the development of software for all of Raytheon, Missile Systems Business Unit (\$4B) products. She is an Associate Value Specialist. Gawron became involved in value engineering during a previous assignment as a program manager for the Joint Stand-off Weapon (JSOW). She is currently the high-speed anti-radiation missile (HARM) chief engineer responsible for developing strategies for future HARM products. In this capacity, she has directed over 14 value engineering projects. She holds a Bachelor of Science degree in computer science, and is currently working on a Masters in engineering management from Drexel University.

Amit Kumar Ghosh, CVS, FINVEST

Mr. Amit K. Ghosh, is a graduate in mechanical engineering passed out from RIT, Jamshedpur, India. He started his career as a maintenance engineer in Tata Steel in 1981 and initially worked for 10 years in operation and maintenance related jobs of different types of pumps, compressors, process steam boilers, EOT cranes, furnaces, pipelines etc. Later he joined the Improvement Group of the company in 1993, where he was involved in facilitating different improvement techniques like value engineering, benchmarking, quality circles, and quality improvement projects, etc., at various departments of Tata Steel to improve performance. Presently he is looking after TQM activities of the company and has been facilitating daily management and TPM across the company. He became a Certified Value Specialist (CVS) in the year 2001. He is a life member of Indian Value Engineering Society (INVEST) and recently he has been honored with fellowship during the zonal conference of the society. He is a regular practitioner value engineering and held various portfolios of Value engineering Society. Presently he is one of the members of the INVEST Certification Board and certifying examiner. Besides this he also takes keen interest and provides his services in value engineering applications at various organizations through Indian Value Engineering Society.

Tae-Hoon Hong, Ph.D.

TaeHoon Hong, a professor of the Department of Architectural Engineering at the University of Seoul, received his M.S. and Ph.D. degrees and worked as a research assistant at Purdue University. He has participated in several research projects funded by the Construction Industry Institute, Indiana Department of Transportation, National Science Foundation, Joint Transportation Research Program in the United States and the Ministry of Land, Transport & Maritime Affairs in Korea. He teaches undergraduate and graduate courses on CEM, LCC, and Engineering Economics and works as a reviewer of ASCE, Elsevier, KICEM, AIK, and KSCE. He is an editorial board member in the *Open Construction and Building Technology Journal*. His primary research interests include LCC analysis in infrastructure systems, LCC assessment of composite materials in construction, maintenance, repair, and rehabilitation strategy for concrete bridge deck, etc. He

was nominated for *Who's Who in Science and Engineering*, 2008–2009. He is currently participating in a couple of R&D projects funded by the Ministry of Land, Transport & Maritime Affairs.

Chang-Taek Hyun, AVS

Chang-Taek Hyun is a professor at the University of Seoul, where he is currently engaged in the construction engineering and management program, focusing particularly on VE and contracts. He has more than 20 years of academic experience and has worked for more than seven years as a professional engineer, both in the private and public sectors. He is also a leading light in the field of VE in South Korea, having conducted many VE workshops for government offices and private construction firms throughout the country and having written several VE manuals and academic papers related to VE and construction management.

Hyun is president of Korea Construction VE Research Institute and is delivering lectures on construction management related subjects, including VE, project delivery system, and cost management. He recently participated in a couple of research and development projects for the Ministry of Construction and Transportation and is a project inventor of an R&D project titled "The Development of Construction Management System for Mega Project."

Chi-Sung In, CVS, CCM

Chi-Sung In currently works as Korea Construction VE Research Institute as a full-time researcher and at ITM Corporation as a part-time worker for construction management, supervision, and project development. He is in charge of the value engineering department and is attempting to specialize his potential ability in VE. He has implemented, led, and facilitated many VE workshops and civil works such as government offices, department buildings, harbors, etc.

In was awarded a gold prize for the VE contest held by the Ministry of National Defense in 2007. He has been a co-instructor for approved Module I workshop since 2006. He is experienced in construction through the National Housing Corporation, which supplies houses for low income and homeless people and has designed and built housing related projects for more than 10 years. In has also worked as POSCO Engineering and Construction Co. for four years, which manages and builds steel-making plants and buildings.

Dong Joon Kim, Ph.D., CVS

Dong Joon Kim works for SAMSUNG Electronics Co. Ltd. As a senior manager, he is in charge of product value innovation, which leads and supports product planning based on cross functional team using innovation methodologies such as VE, TRIZ, Six Sigma, and Blue Ocean Strategy. He is a Certified Value Specialist, a TRIZ Specialist, and Six Sigma Black Belt.

Kim's original technical background lay in ceramic engineering, earning a Ph.D. in 1997. He has more than 11 years of project experience including more than four years as a professional engineer and more than seven years as a value innovation program manager. He has facilitated many workshops for a variety of projects in different products; e.g., television, display, computer, printer, mp3 player, air conditioner, refrigerator. In addition to traditional value improvement and cost reduction, his particular interest and use of the value methodology is for making product concept as well as decisions in the early stage of product development to create new values, products and finally markets in which customers as well as companies are satisfied.

Jong-Hyeob Kim

Jong-Hyeob Kim is a graduate student in construction engineering and management program at the University of Seoul. As an assistant researcher, he participated in VE workshops and CM researches for about one year. He is a member of the Korea Construction VE Research Institute (KCVE).

Stephen J. Kirk, Ph.D., FAIA, FSAVE, CVS, LEED™AP

Stephen J. Kirk is president of Kirk Associates, which specializes in value analysis, choosing by advantages, life cycle costing, sustainability, facility economics, and strategic value planning services. He has over 25 years experience in applying value based design decision-making techniques to various construction project delivery methods. Facilities include multi-use facilities, hospitals, universities, airports, offices, housing, courthouses, research facilities, and museums. He is an instructor at the Harvard Graduate School of Design. Dr. Kirk is a registered architect, a Fellow of the AIA, a CVS-Life, and is a "LEED Accredited Professional." Steve is a Senior Fulbright Scholar in architecture and received his doctorate degree at the University of Michigan. He served as president of SAVE International in 1998-99, is director and vice president of education for the Miles Value Foundation, and is a Fellow of SAVE. Dr. Kirk recently served on the Industry Advisory Panel of the US State Dept. Overseas Building Office. He is the author/co-author of eight books related to value analysis.

Richard D. Lambert, Jr., PE, RLS, CVS

Lambert graduated from NC State University with a Bachelor of Science degree in civil engineering in 1975. He began his professional career with the North Carolina Department of Transportation as a co-op student and continued as a highway planning engineer until 1979, when he began his career with the U.S. Corps of Engineers Charleston District as a civil and structural design engineer and part time as the value engineering officer. Over the course of his career, Lambert has designed numerous civil works and military structures including projects at Department of Energy Savannah River Site, Ft. Jackson, SC, Charleston Air Force Base, and elsewhere throughout the Southeast. In 1999, Lambert left the Corps for a brief time to work as a structural design engineer for the Navy Southern Division Naval Facilities Engineering Command in Charleston, where he was responsible for design of Navy projects throughout 26 states. In 2002, he returned to the Corps to join the office of the Chief of Engineers Value Engineering Study Team (OVEST). During this period he led or participated in hundreds of VE studies from projects throughout the continental US and abroad.

Lambert has also been actively engaged in consulting engineering throughout his career and has designed many structures in the private sector including McAlister Field House at the Citadel, St Lukes Chapel at MUSC, and Folly Beach Town Hall.

Mei-Yung Leung, Ph.D., MCIQB, MAIB, MRICS, MHKIS, CVS, MHKIVM

Dr. Leung has more than 15 years of practical/teaching experience in the construction industry/education and has participated in a number of prestigious construction projects in Hong Kong. She received a Tony Toy Memorial Award (i.e., the first prize) in 2002, issued by the Hong Kong Institute of Value Management (HKIVM); H.K. for her doctoral thesis; and, an international award (Thomas D. Snodgrass Value Teaching Award) in June, 2005, for her outstanding VM performance in Hong Kong and mainland China. Dr. Leung is also a Certified Value Specialist of SAVE International and a qualified facilitator of HKIVM in Hong Kong. She has conducted a number of VM workshops for various large construction projects in Hong Kong and the USA. She has attracted over HK\$9 million as investigator in professional and research grants. Over 90 refereed journal and conference papers in construction engineering and management have been published or accepted for publishing.

Javier Masini, AVS

Professor Javier Masini is an industrial engineer and head of the Operations Management section at the School of Industrial Engineering at Universidad Panamericana (located in Mexico City, Guadalajara, and Aguascalientes). He has been working as a professor for that institution for over 10 years teaching Lean Manufacturing, statistical quality control, operations management, and simulation. He is also a trainer in the fields mentioned in institutions such as Lean Six Sigma Institute de Mexico and Instituto Jalisciense de la Calidad (the Mexican government's office promoting quality management systems in the region). In this

latter institute, he has been one of the 15 jurors for the Jalisco's "Prize to Quality". Masini also participates with the Institute of Industrial Engineers (IIE) as a faculty advisor for Chapter 935 (Universidad Panamericana's chapter) and serves as secretary for the board of directors of the Institute Mexicano de Ingenieros Industriales de Occidente, a professional chapter (in formation) for the IIE.

Masini has been a coordinator of the Master in Engineering program at Universidad Panamericana (campus Guadalajara) and was the chief of corporate engineering at Grupo AS (manufacturing pressure vessels), as well as an internal consultant and trainer at Urrea Valves. He has special training in industrial engineering and quality control certified by Kitakyushu Internacional Techno-Cooperative Association in the city of Kitakyushu, Japan (1999) and company-wide quality and productivity management training certified by Central Japan Industries Association in Najoya, Japan (2003). Masini has also authored some studies about skills development for engineers at universities.

Ferenc Nádasdi, Ph.D., CVS-Life, FSAVE

Dr. Ferenc Nádasdi is a certificated mechanical engineer, certificated industrial engineer and professor of the College of Dunaujváros where he delivers lectures on value management in two semesters. During the past 25 years, Nádasdi participated in about 500 value methodology projects as head of theme, head of team, member of team, expert, thesis consultant, etc. He has written more than 100 studies, professional articles and books. He is the Vice President International of the Society of Hungarian Value Analysts.

In-III Namkung, AVS

In-III Namkung works with Gachinuri Corporation, a VE professional organization. He is a member of Korea Construction Value Engineering Research Institute in Seoul, South Korea, and is an Associate Value Specialist. His original technical background lies in building design and construction for offices, houses, hospitals, airports, etc. In addition to value management improvement techniques and methodology, Namkung was charged with writing a VE manual for a international airport construction project with co-value specialists. He has implemented many VE projects last year, such as a department store, multi-house projects (apartment buildings), harbors, and civil works. He was awarded a gold prize for the VE contest held by Korea District Heating Corporation. His particular interest in VM is the effectiveness of the relationship between function and idea creation. With his experience of more than 22 years of construction engineering and design, Namkung will develop the construction oriented VE procedure for systematic VM application.

Takashi Nakashima, LL.B, VEL

Takashi Nakashima has been engaged in establishing VE techniques to Japanese local government since 2003. As a professional instructor, he provides VE education, training and support for Japanese local government agencies throughout the nation. Currently, he is promoting company-wide VE activities for Pacific Consultants Co., Ltd. In addition, he serves as a study member of SJVE (Society of Japanese Value Engineering) VE promotion academy. Following graduation from Kurume University in 1993, he worked as an environmental researcher and engineer. He joined Pacific Consultants Co., Ltd in 1997, where he has provided services on numerous public works project of high value for Japanese local government. After learning the concept of VE, he has been engaged in establishing techniques of VE to local government.

Tomoko Numazawa, VES

Tomoko Numazawa, graduated from Ochanomizu University physics department. She entered Yokogawa Electric Corporation and was engaged in the research and development of the semiconductor. Afterwards, she developed the design of a digital oscilloscope in the electronic measuring instrument development post. After having involved in the construction of the information system, she has been working in the cost project section since 2005 where she engages in the structural reforms of the product costs. She acquired VES (VE Specialist) qualification in December, 2006.

James (Jim) Rains, CVS–Life, FSAVE, PVM

Jim Rains has been President of the Advanced Value Group, LLC (AVG) since 2000. AVG specializes in value engineering, tear-down analysis, target costing and synchronous process improvements in the factory or office environment. He is retired after more than 31 years with General Motors. Rains has served on the SAVE International Board of Directors in several capacities, including President. Rains became a Certified Value Specialist in 1988, and is currently a CVS-Life. Rains was awarded and recognized by the Society for Japanese Value Engineering in 2001. He was inducted into the SAVE International College of Fellows in 2002. He is a member of the Lawrence D. Miles Value Foundation and serves on its board of directors and executive committee and as treasurer.

John L. Robinson, PE, CVS-Life

John Robinson is a principal and owner of Strategic Value Solutions, Inc. He serves the firm as an executive vice president and senior project manager. Robinson's career includes more than 20 years dedicated to leading value engineering studies on public and private capital projects across the continent. His education includes an engineering degree from the University of Missouri at Rolla. He is a registered professional engineer and a life Certified Value Specialist.

Robinson's value engineering study experience includes major transportation projects, water and wastewater projects, marine and coastal projects, flood control projects, environmental restoration and much more. He also has extensive experience in military projects and other vertical construction type projects. The sizes of the projects and programs that Robinson has conducted value studies on have ranged from a few hundred thousand dollars in capital costs to as high as \$40 billion.

Robinson is also a major contributor to SAVE International. He has served multiple times on the SAVE International board of directors and has served on numerous committees for the society. His most recent service was as president from 2003 to 2005.

Yoshihiko Sato, CVS-Life, FSAVE

Yoshihiko Sato is president of VPM Inc. and serves as an associate director for the Society for Japanese Value Engineering (SJVE). Upon graduation from Kanagawa Technical High School, he started building his brilliant VE career at Isuzu Motors. While working as a production manager, he developed his unique VE-tinted "Tear Down" process, which has later been widely adopted by not only all Japanese car makers but also by major electronic and other manufacturers. Winding up his general manager post at Isuzu, he opened his own consulting firm, VPM Inc., in 1997, with himself becoming its president and a full-fledged independent VE/Tear-Down & management consultant. His sustaining service to some major manufacturers has made him spend an aggregate total of 1,500 consulting days (up to 2007) away from home. Sato was inducted into the SAVE International College of Fellows in 1995. SJVE has recognized him twice for his remarkable contribution. He has published many books, manuals, text-books and software on VE/Tear-Down subjects and presented papers on VE, VM, and Tear-Down methodologies. At the 2006 SAVE International conference, his ambitious book, *Value Analysis Tear-Down: A New Process for Product Development and Innovation* (co-authored with Mr. J. Jerry Kaufman and published in USA in 2005), was recognized as the Best Paper of the Year.

John E. Sloggy, CVS

John Sloggy provides focused team leadership and facilitation for value engineering studies and SAVE certified Module I and II training seminars. He has extensive experience in new product design and manufacture, automatic assembly equipment design and build, facility design and renovation, and environmental and transportation issues. He provides engineering services for both product development and equipment design using the latest computer aided design tools.

Trained in the highly competitive arenas of consumer product and automation design, he has worked in various product design and manufacturing engineering positions for Fortune 500 firms before opening his consultancy in 2002. He has been achieving results facilitating value management sessions for upwards of 20 years and 100+ studies. His education includes a Bachelor of Science (Summa Cum Laude) and MBA, both from the University of Wisconsin.

Myung-Jin Son

Myung-Jin Son received his M.S. degree in construction engineering management at the University of Seoul. His master's thesis is titled "Development of a Practicability Evaluation Model on VE Process Using Scenarios Planning and the Fuzzy Analytic Hierarchy Process." He has been involved in many value engineering workshops and academic research. He is currently a member of SAVE International and the Korea Construction VE Research Institute (KCVE).

Young-Joo Suh, Ph.D., CVS-Life

Young-Joo Suh is president of Route Consulting Group. He is vice president of the Society of Korean Value Engineers (SKVE) in South Korea. He has global professional experience in manufacturing industries in the Korea, China, Thailand, and Malaysia. Suh holds a Ph.D. degree in industrial engineering from Ajou University, South Korea. He worked in Samsung Electronics, Co. and Samsung SDI Co. and had worked in management innovation by officer. He has been doing many enterprises and a lot of projects consulting for 30 years.

Kornélia Vámosi, AVS

Kornélia Vámosi is an economist and has AVS certification. She graduated at the University of Northern Hungary where she studied economics. At the moment, Vámosi is involved in teaching value analysis at the College of Dunaújváros and the University of Northern Hungary. So far, she has presented two lectures at Hungarian scientific conferences and worked out two simulation games. She has a total of 22 publications.

James R. Vickers, CPCM, AVS

James R. Vickers is the senior manager of the Advanced Programs Contracts for Raytheon Missile Systems in Tucson, AZ. As such, he is responsible for the company's advanced programs contracts and he leads its value engineering efforts. He has personally negotiated over 50 VECs that resulted in over \$75 million in contract incentives. The Cross program VE team he leads has submitted over \$100 million in VE savings proposals and won a 2001 DoD VE award and the 2006 DoD company award. He is a frequent speaker on value engineering and shared savings. He has over 25 years experience in procurement. He is a retired Naval Reserve commander; holds an MBA from California State University, a J.D. from LaVerne University and is a member of the California State Bar. He also has completed the course requirements for a doctorate in management science at the Florida Institute of Technology. He is an National Contract Management Association (NCMA) Fellow, a Certified Professional Contract Manager (CPCM), and a director of the Larry Miles Value Foundation. He also holds an AVS accreditation with SAVE International.

Hisaya Yokota, CVS

Hisaya Yokota has been a leading VE consultant in the Japanese public works sector for the past 10 years, having promoted the application of design-phase VE to public works projects for the government of Japan. As a result, about 50 percent of the entire municipalities of Japan began to address the introduction and the spread of design-phase VE into their public works projects. Following graduation from Ritsumeikan University in 1987, he entered a leading engineering consulting firm where he practiced as a structural design engineer in road projects and was involved in about 100 road bridges, until 2001, when he entered VE consultancy. Now, as a leading professional, he provides VE education, training, and support throughout the nation. So far, he has conducted approximately 60 VE studies in the public works sector, creating a total savings of about 180 billion JPY in cost. Since 2004, he has also been serving as a lecturer

at Waseda University where he teaches VE for both undergraduates as well as students who are enrolled in masters courses.