

Distinguished Speakers – Industry Solutions

Tuesday, March 8, 2016

Session I: Industry Solutions - Room – Starhill 5
Chair: Dr. Ari Maunuksela, TEAK Ltd., Teuva, Finland



08:00 – 08:25 (Tuesday)

Ali Massaeli

National Iranian Gas Company, Tehran, Iran

ID 267 Developing Productivity Monitoring System in a governmental organization with multi-performance objectives: A case study in National Iranian Gas Company

Ali Massaeli Ali is a Senior Expert in Industrial Inspection Department of National Iranian Gas Company, Tehran- I.R. of IRAN. He earned B.Sc. in Chemical Engineering from Azad University of South Tehran; M.Sc. in Industrial Engineering – System Management and Productivity from Azad University of Qazvin. He has several research activities such as publishing internal journal of IGU (International Gas Union) and international conference papers. He has several industrial training courses in Chem. and Industrial Engineering and co- authoring and the editor of process engineering in oil and gas industry. He was one of the senior experts in SCOE integrating executive committee of Petroleum Ministry of I.R. of IRAN. In the IEOM 2012(Istanbul-Turkey) he received Outstanding Industry Awards. He is one of the members Industrial Committee of IEOM since 2012 till now. Also he is member of jury team of International Management Conference since 2010 in managerial experience section.

08:25 – 08:50 (Tuesday)

Saeed Salimi Beni

National Iranian Gas Company, Tehran, Iran

ID 268 Index Selection of Monitoring Technical Inspection Department in National Iranian Gas Company

Saeid Salimi Beni is a Mechanical Supervisor, and Head of Mechanical assessment Crew for Manufacturer Facilities, Equipments in Gas Industrial, National Iranian Gas Company. He earned B.S. in Mechanical Engineering from Petroleum Institute of Technology, Ahvaz, Iran.



08:50 – 09:15 (Tuesday)

Dr. Ari Maunuksela

Director/Principal, TEAK Ltd. – A Center for Vocational Training and Education, Teuva, Finland

Dr. Maunuksela works as a director/principal with TEAK Ltd. TEAK is a Center for Vocational Training and Education. Core competences of TEAK include wood and carpenter training programs, robotics and automation, CAD/CAM/CNC/3D technologies, upholstery, interior decorations, surface treatment. TEAK has extensive experience as a leading training & education company on wood industries, robotics and automation. We provide both hands-on training and web-based education. Ari Maunuksela holds a Ph.D. in Industrial Management, from University of Vaasa. Prior to joining TEAK he has worked in director positions in R&D and product management within international telecommunications industry companies. He has also experience from start-up companies with new technologies. Before moving to industry Dr. Maunuksela worked in academia as a researcher and teacher. He has published articles in refereed scientific journals and international conferences, especially related with innovation and product development. Currently he is also working as a board member of small and medium sized companies. Dr. Maunuksela has given presentations and speeches in several international conferences.

Session II: Woman in Industry and Academia - Room – Starhill 5

Chair: Dr. Adibah Shuib, Universiti Teknologi MARA (UiTM)



11:30 – 11:55 (Tuesday)

Dr. Adibah Shuib

Acting President of MSORMS (Malaysian Society of Operations Research and Management Science)

Head of Strategic Planning (Monitoring), Centre for Strategic Planning, Universiti Teknologi MARA (UiTM)

Dr. Adibah Shuib is an Associate Professor in the Faculty of Computer and Mathematical Sciences of the Universiti Teknologi MARA (UiTM), Malaysia. She received her Bachelor of Science degree in Mathematics and Master of Science in Computational & Applied Mathematics from the Old Dominion University, USA. She received her PhD in Mathematics and Statistics from the University of Birmingham, United Kingdom. Assoc. Prof. Dr. Adibah Shuib is currently the Head of Strategic Planning at the Centre for Strategic Planning and Information of UiTM. Her main responsibilities include monitoring the implementation of the university's strategic initiatives and the achievement of the University's KPIs. She is also the Director for the Integrated Programme Management of the UiTM's Transformation Programme. Her research interests are in the areas of mathematical modelling and optimisation. Her research include

those on vehicle routing problems, emergency medical services particularly on ambulance routing and ambulance location and relocation, cross docking management, diet plan optimisation, airport revenue optimisation, vehicle scheduling and portfolio investment. She has also published widely in international journals and conferences. Assoc. Prof. Dr. Adibah Shuib is now the Acting President of the Management Science and Operations Research Society of Malaysia (MSORSM). Being a Council Member of the MSORSM since 2009, where she has held the position of Secretary, then the Vice President, has given her the opportunity to be involved with many companies and universities through many activities and also meeting with individuals of various career backgrounds in industries as well as the academia.



11:55 – 12:20 (Tuesday)

Dr. Mei Fong Chong

Professor, Faculty of Engineering

The University of Nottingham Malaysia Campus - Selangor Darul Ehsan, Malaysia

Professor Chong Mei Fong is actively engaged in both academic and industry as a leading researcher and practitioner. She is also a practising Professional Engineer registered with the Board of Engineers Malaysia (BEM) and a member of The Institution of Engineers Malaysia (IEM). By committing her lifetime research in the area of renewable energy and wastewater treatment for a better environment, she has recorded her research findings in more than 60 journal publications including ISI-indexed journals, a book (LAP Lambert Acad. Publ.) and two book chapters (Woodhead Publishing Limited and Springer). Besides, her contributions have also been well recognised by various national and international bodies through several awards. She is the founding chair and past chair for Women in Science Engineering and Technology (WinSET) working group. WinSET is a working set up at The University of Nottingham to promote gender equality and worklife balance within the campus. She is now the Executive Director of Nottingham Green Technologies S/B, a spinned off company of the University of Nottingham to commercialise green technologies.

Session III: Industry Solutions - Room – Starhill 5**Chair:** Kishor Kulkarni, Tata Technology, Pune, India

2:30 – 2:55 (Tuesday)

Reza Mesgarian

Head of Process Engineering, National Iranian Gas Company, Tehran, Iran

ID 251: Use of Low Heating Value Natural Gas by Blending With Fuel Gas

2:55 – 3:20 (Tuesday)

Dr. Hakan Butuner

IMECO Industrial Management & Engineering Co., Istanbul, Turkey

ID 008: Systematic Competency Based Training Needs Analysis

Dr. Hakan Butuner received his B.Sc. in Industrial Engineering from Middle East Technical University; MBA from Bilkent University; and Ph.D. in Engineering Management from the University of Missouri-Rolla. He has been active both in academic and professional fields for several years as a project manager in overseas; as a strategic planning and business development director; and as an operations improvement program manager. During the same periods, he has been lecturing in the Business Schools and/or Industrial Engineering Departments of well-known Universities. Currently, he is lecturing as a part-time faculty in Business Schools, plus acting as the affiliates of several US companies in industrial management and engineering consulting and training fields. Additionally, he is the president of Institute of Industrial Engineers – Turkish professional chapter; and board member of Institute of High Performance Planners in Kansas City. During his career path, he has participated in several projects. Plus, he has several publications and books (especially in Operations Management and Improvement and Strategic Planning).



3:20 – 3:45 (Tuesday)

Kishor Kulkarni

Sr. Project Engineer, Tata Technology, Pune, India

Kishor Kulkarni is Sr. Project Engineer in Tata Technology, Pune with 4 years for experience in automotive interiors, expertise in manufacturing, validation & development of plastic interior parts of luxury cars. He has completed MBA from Karnataka State Open University in 2013 and B.E. (Industrial Production) from Vishveshwaraya Technical University, Belgaum in the year 2011. Presently, he is pursuing my studies for award of Master of Engineering (M.E. in Production Engineering) in Shivaji University, Kolhapur. Applied patent for Low Cost POP fixtures & welding nests for prototype production. The fabrication cost reduced by 99% and lead time reduced by 99.5%. He has presented research paper at International Conference on Multidisciplinary Research & Practice 2014, IIM Ahmedabad. Mr. Kulkarni has presented research paper at GSCSR 2015 (Global summit on corporate social responsibilities) New Delhi titled "Challenges & opportunities for CSR in India". He also published a research paper titled "Sweeping Jet Flushing for EDM" in International Journal of Research & Scientific Innovation.

Session IV: Industry Solutions - Room – Starhill 5 - 4:00 – 7:00 pm (Tuesday)**Big Data in Manufacturing and Service Industry****Dr. Andrew Kusiak**

Intelligent Systems Laboratory

Professor, Department of Mechanical and Industrial Engineering

The University of Iowa, Iowa City, Iowa, USA

Dr. Andrew Kusiak is a Professor in the Department of Mechanical and Industrial Engineering at The University of Iowa, Iowa City. His current research interests include applications of computational intelligence and big data in automation, energy, manufacturing, product development, sustainability, and healthcare. He is the author or coauthor of numerous books and hundreds of technical papers published in journals sponsored by professional societies, such as the Association for the Advancement of Artificial Intelligence, the American Society of Mechanical Engineers, Institute of Industrial Engineers, Institute of Electrical and Electronics Engineers, and other societies. He speaks frequently at international meetings, conducts professional seminars, and consults for industrial corporations. Dr. Kusiak has served in various editorial roles of over forty journals. Professor Kusiak is a Fellow of the Institute of Industrial Engineers and the Editor-in-Chief of the Journal of Intelligent Manufacturing. Besides his academic appointment at the University of Iowa, he holds Distinguished Adjunct Professorship at King Abdulaziz University, Jeddah, Saudi Arabia. His past academic appointments, include the Technical University of Nova Scotia (now Dalhousie University) and the University of Manitoba in Canada, as well as visiting positions at University of Lion, Institut National Polytechnique de Grenoble, University of Nancy, France, and the University of Hong Kong, Hong Kong. His graduate students have assumed prominent positions in academia and industry. Dr. Kusiak has co-advised PhD students at University of Munich, Germany and Institut National Polytechnique de Grenoble, France.

Wednesday (March 9, 2016)**Session V: Industry Solutions** - Room – Starhill 5**Chair:** Md Kawsar Ali, Comfit Composite Knit LTD, Dhaka, Bangladesh

08:00 – 08:25 (Wednesday)

Arumugam Manikam

Silterra (M) Sdn.Bhd, Kulim, Kedah, Malaysia

ID 627: Yield Improvement of Wafer Edge Die Defocus (EDD) at Via Layer



8:25 – 8:50 am

Vivek Sundar Magesh

TVS Logistics Services Limited, Chennai, India

ID 218 Maximising Revenues in the "Tatkal" Category of Indian Railways

Vivek Sundar Magesh is an MBA from the Indian Institute of Management at Tiruchirappalli, India. He is presently employed at TVS Logistics Services Limited. His interest areas are in developing better public systems and tackling global problems using techniques from Management Science. He also has an Electrical Engineering degree from the prestigious National Institute of Technology at Tiruchirappalli, India. As an Engineer he has published papers on optimization using heuristics. He looks forward to researching about improving public systems to tackle global challenges by joining a doctoral program in a reputed global business school.



08:50 – 09:15 (Wednesday)

Md Kawsar AliChief Operating Officer, Comfit Composite Knit LTD
Gorai, Mirzapur, Tangail, Dhaka, Bangladesh

Md. Kawsar Ali is a well-known expert and mentor in the garment industries of Bangladesh. He has twenty one years of professional experiences in RMG sector. He has worked in different capacities in leading companies like Beximco, Square, Orion and DBL. He has got strong communication, interpersonal relations, mentoring, negotiation and cross-cultural organizational skills, and has demonstrated such over the years with utmost productivity and reputation. He is also expert in Total Quality Management, Lean manufacturing, Kaizen, Leadership and self-development courses like Meditation and Yoga. Mr. Kawsar has completed his graduation from Khulna University of Engineering and Technology (KUET) also obtained an MBA degree from Dhaka University. He has participated in many workshops, seminars and training sessions in Bangladesh and abroad.

Session VI: Industry Solutions Room – Starhill 5

Chair: Farrah "Nix" A. Juban, Intel Corporation, Penang, Malaysia



11:30 – 11:55 (Wednesday)

Dr. Zain TahboubChief Advisor-Director of Excellence & Innovation
Dubai Aviation Engineering Projects (DAEP), United Arab Emirates (UAE)*University of the future for integrating the university with industry and innovation*

Dr. Zain Elabideen Tahboub is Chief Advisor of Director of Excellence and Innovation of Dubai Aviation Engineering Projects, UAE. He got his Ph.D. and M.Sc. in Industrial and Systems Engineering from Ohio State University. Immediately after, he joined hands with three colleagues to form the Industrial Engineering department at the University of Jordan in 1987. He lead the M.Sc. program in Engineering Management for several years where it came became a leading program for the University of Jordan.

The graduates of the department became among the most respected and demanded professionals in many positions. Dubai is no exception where a number of IE's are among the top decision makers of the Executive Council and many other government entities. At the same time, he was working with industry in many important programs; he was the Corporate Adviser for Royal Jordanian Airlines 1994-1998 where he helped in the recovery of the Airline to become profitable again. During his work at the University of Jordan, he assumed several roles to bring industry and academia together; he was the director of the Outreach Program, the chairman of the National Committee on Relationship between Academia and Industry which lead to forming new partnership and models in new universities. In 2005, he left the University of Jordan to be the Dean of Majan University College in Oman. In 2009, he joined Dubai Aviation Engineering Projects as Specialist Adviser, then assuming other roles and responsibilities including strategy, research, knowledge management and innovation where he is working on building new concepts and models for innovation. Recently, Zain was an active member in developing Dubai Plan 2021.



11:55 – 12:20 (Wednesday)

Md Fauzi AhmadProduction and Operation Department
Universiti Tun Hussein Onn Malaysia (UTHM), Batu Pahat, Johor, Malaysia*ID 692 Critical Success Factors of Six Sigma Implementation in Malaysian Manufacturing Industry*
Md Fauzi Ahmad, Wong Jing Ping, Nor Aziati Abdul Hamid, Shiau Wei Chan, Universiti Tun Hussein Onn Malaysia (UTHM)
Josu Takala, Department of Engineering Science and Industrial Management, University of Vaasa, Wolffintie, Finland

Md Fauzi Ahmad is an academic staff at UTHM. His undergraduate studies was in Electrical & Electronic Engineering from Muroran Institute of Technology (MIT), Japan and Post Graduate studies in Total Quality Management (TQM) from Universiti Teknologi Malaysia (UTM). His majoring research is in TQM of Japanese companies and actively publishing international and local journals. He embarked his career as Quality Engineer at Sharp Corporation in 1999 and has been assigned at various departments which include Product Quality Assurance (PQA), Quality Control (QC), Product Planning and Sales Department. He has working experience for 12 good years in quality and marketing management. He is a Certified Quality Engineer (CQE) from Federation Manufacturing Malaysia (FMM) and Sharp Corporation Japan. He also participated in On Job Training (OJT) for quality, reliability management and data analysis at Sharp Corporation, Japan under Association of Overseas Technical Scholarship (AOTS). He also contributed in establishing company strategy for improving customer satisfaction and other major improvement projects. He has working with Japanese companies for more than 12 years.

12:20 – 12:45 (Wednesday)

Farrah "Nix" A. JubanProcess Engineering Excellence & Kaizen Service Program Manager for Assembly and Test Manufacturing
Intel Corporation, Penang, Malaysia*When Change is Good The Kaizen Way in Intel Vietnam Assembly and Test Factory's (VNAT)*



Farrah is a B.S. Physics graduate from De La Salle University with an Executive MBA Degree from Ateneo De Manila/Regis University. She worked in various Intel plants including Philippines, Israel, U.S, Vietnam and Malaysia for ~16 Years and currently involved in Strategic Lean Programs for Intel Assembly and Test Manufacturing owning the Kaizen Service. Her current work as a technical lean expert drives process improvements in manufacturing Direct Labor/Man to Machine Ratio, Spares and Collaterals Cost, Process Cycle Times, Defect and other Efficiency and Quality factory metrics. Beginning her lean journey at Intel Vietnam 6 years ago, she certified as a Greenbelt Lean Six Sigma and trained as Black Belt then achieved Master Trainer status for Kaizen Facilitation. As a Strategic Lean Technical Program Manager she set-up the 3-Lean Pillar Program encompassing Frontline Lean, Kaizen and Lean Six Sigma to help facilitate department's "Lean targets" selection, exemplifying lean application in solving top factory problems, ramping and utilizing qualified, certified & passionate experts in Lean. She has 2 years of Manufacturing Operations Management of 140 staff and 10 years in Product Development Engineering as an Individual Contributor and Manager of up to 14 complex products including Chipsets and Microprocessors. She led 6 New Product Integration & Maintenance of Business as a Product Engineering Manager after transfer into High Volume Production driving team readiness on setting-up manufacturing systems, test programs, defect reduction, yield improvements, performing analysis of customer returns and optimization of device production relative to cost constraints. She chaired international working groups such as a product development teams, test program change control board and other technical test working groups. She demonstrated expertise in 300+ or more hours in presenting and training on a wide variety of subjects such as Fundamental Project Management, all ATM Lean trainings, Product Development, Technical Thermal Testing, Manager Competencies, Manufacturing and New Product Introduction.

Session VII: PANEL SESSION - Woman in Industry and Academia

2:30 – 3:45 pm (Wednesday, March 9, 2016) - Room – Starhill 5

Chair: Ms. Resh Plaha, Crystal Quality UK Ltd

Panelists



Ms. Resh Plaha BSc (Hons), IoD, IRCA, ACQI
Crystal Quality UK Ltd

Ms. Resh Plaha sits on the UK's Chartered Quality Institute ISO9001:2015 Review Panel which reports directly into the ISO Geneva Head Office, ISO Technical Committee 176: Quality Management and Quality Assurance. Resh is also a member of the International Register of Certificated Auditors (IRCA) Advisory Panel responsible for providing thought leadership on the development, promotion and publication of audit methodologies, auditor competencies, auditor training and continuous professional development. Resh is a registered Lead Auditor with IRCA and a Member of the Institute of Directors. She is Managing Director of Crystal Quality UK Ltd, a private company offering bespoke project management consultancy and training services to organisations seeking registration to international standards in Quality Management Systems, Environmental, Health and Safety Systems including Food Safety. Major clients include Mercedes-Benz UK Ltd; the Ministry of Defence; Food and Beverage suppliers to Marks and Spencer plc; Central and local UK Government; Aerospace and other capital goods manufacturing organisations. Resh has a wealth of industrial and management experience that spans over 30 years in Quality Management Systems, commencing in the Food Industry before joining SGS, the international leading certification company. She is a highly experienced trainer and international speaker having personally

delivered numerous short public IRCA approved training courses to delegates worldwide. Resh has presented at international conferences, delivered entrepreneurial and quality training at Singapore Nanyang Technological University, Hong Kong Polytechnic University and is a guest lecturer at Loughborough University, United Kingdom. She is a strong advocate of women's business roles in society and believes in leading by example.



Dr. Chan Chee-Ming
Associate Professor and Deputy Dean (Academic and Research), Centre for Graduate Studies
Universiti Tun Hussein Onn Malaysia, Batu Pahat, Johor, Malaysia

Chee-Ming Chan is an Associate Professor with the Civil Engineering Technology Department, Faculty of Engineering Technology, Universiti Tun Hussein Onn Malaysia. She is presently holding the office of Deputy Dean in Academic and Research at the Centre for Graduate Studies in the University. Her area of expertise includes geo-materials, engineering education and higher education improvement. More recently, Dr. Chan's current work on dredged materials from Malaysian waters has gained momentum and support from the Ministry of Science, Technology and Innovation and Department of Marine, Malaysia. She is also involved in professional bodies, including the Society for Engineering Education Malaysia (SEEM), Malaysian Geosynthetics Society (MyIGS), Institution of Engineers Malaysia (IEM), Board of Engineers Malaysia (BEM), and is an education quality auditor for the Malaysian Qualification Agency (MQA). From 2009-11, Dr. Chan served as a Postdoctoral Research Fellow at the Port and Airport Research Institute (PARI), Japan.

Dr. Mei Fong Chong
Professor, Faculty of Engineering
The University of Nottingham Malaysia Campus, Selangor Darul Ehsan, Malaysia

Professor Chong Mei Fong is actively engaged in both academic and industry as a leading researcher and practitioner. She is also a practising Professional Engineer registered with the Board of Engineers Malaysia (BEM) and a member of The Institution of Engineers Malaysia (IEM). By committing her lifetime research in the area of renewable energy and wastewater treatment for a better environment, she has recorded her research findings in more than 60 journal publications including ISI-indexed journals, a book (LAP Lambert Acad. Publ.) and two book chapters (Woodhead Publishing Limited and Springer). Besides, her contributions have also been well recognised by various national and international bodies through several awards. She is the founding chair and past chair for Women in Science Engineering and Technology (WinSET) working group. WinSET is a working set up at The University of Nottingham to promote gender equality and worklife balance within the campus. She is now the Executive Director of Nottingham Green Technologies S/B, a spinned off company of the University of Nottingham to commercialise green technologies.





Prof. Christine Ennew
 Provost, University of Nottingham Malaysia Campus and
 Pro Vice Chancellor and Professor of Marketing
 University of Nottingham Malaysia Campus
 Selangor DE Malaysia

Christine Ennew is Provost and CEO of the University of Nottingham Malaysia Campus and Pro Vice Chancellor at the University of Nottingham. Christine graduated from Cambridge University and completed her PhD at Nottingham. She was appointed to lead UNMC in January 2013 and is responsible for the Nottingham's first international campus which is located to the south of Kuala Lumpur and is home to almost 5000 students and around 650 staff. She was previously Dean of Social Sciences and has been Pro Vice Chancellor since 2008. She serves on a number of advisory boards internationally and is the University's Manager for the Universitas21 network.



Dr. Ilham Kissani
 Assistant Professor of Engineering & Management Science, School of Science & Engineering
 Al Akhawayn University, Ifrane, Morocco

Dr. Ilham Kissani is an assistant professor in the field of engineering management for the School of Science and Engineering at Al Akhawayn University in Ifrane, Morocco. She has served as the main advisor and lead instructor for the undergraduate and MS programs in Engineering and Management Systems since 2010. She has helped create very close ties with the AUI School of Business Administration, which allows both schools to leverage our resources and deliver a greater diversity of courses to students, such as supply chain management and operations management. Her background is diverse and includes industrial experience as well as academic. Her degrees are from INSEA, Morocco (Engineer) and Université Laval, Canada (Master and Ph.D). She has worked with Royal Dutch Shell as a project manager and with Modellium Québec, where she consulted in logistics and supply chain issues. Additionally, Dr. Kissani contributes in research in supply chain management, planning, and operations research. She is a member of ASEM, IEEE,

IEOM, IIE, INFORMS.



Dr. Stefanie Pillai
 Dean and Associate Professor, Faculty of Languages & Linguistics
 University of Malaya, Kuala Lumpur, Malaysia

Dr. Pillai is an Associate Professor at the Department of English Language, Faculty of Languages and Linguistics, University of Malaya (UM). Her main areas of research interest are the segmental and prosodic features of spoken Malaysian English, and the revitalisation of Malacca Portuguese Creole or Cristang. Her initial work on the Creole was funded by, and has been archived in the Endangered Languages Archive. Dr. Pillai is currently the Dean of the Faculty of Languages and Linguistics. He was the Deputy Dean for Postgraduate Studies of the Faculty from August 2014, and previously headed the University's Centre for Industrial Training and Relations, which later expanded to become the Centre for Community and Industry Relations.

Session VIII: Woman in Industry and Academia - Room – Starhill 5
Chair: Dr. Stefanie Pillai, University of Malaya, Kuala Lumpur, Malaysia

4:00 – 4:25 (Wednesday)

Ms. Priyadarshani Premarathne

Department of Sociology, Faculty of Arts, University of Peradeniya, Sri Lanka

*ID 241 Perception of female employees towards the Lean and work culture change in apparel industry in Sri Lanka
 Sewwandi and H.D.P. Premarathne, Department of Sociology, Faculty of Arts, University of Peradeniya, Sri Lanka
 Morawaka and A.K. Kulatunga, Dept.of Production Engineering, Faculty of Engineering, University of Peradeniya, Sri Lanka*

4:25 – 4:50 (Wednesday)

Mahmmad Mahub Alam Talikder

Accident Research Institute (ARI), Bangladesh University of Engineering and Technology (BUET), Dhaka, Bangladesh

ID 610 Burn Accident related Injuries and Disabilities among the RMG Women Workers: A Case Study of Tazreen Garments Tragedy



4:50 – 5:15 (Wednesday)

Dr. Stefanie Pillai

Dean and Associate Professor, Faculty of Languages & Linguistics
 University of Malaya, Kuala Lumpur, Malaysia

Dr. Pillai is an Associate Professor at the Department of English Language, Faculty of Languages and Linguistics, University of Malaya (UM). Her main areas of research interest are the segmental and prosodic features of spoken Malaysian English, and the revitalization of Malacca Portuguese Creole or Cristang. Her initial work on the Creole was funded by, and has been archived in, the Endangered Languages Archive. Dr. Pillai is currently the Dean of the Faculty of Languages and Linguistics. She was the Deputy Dean for Postgraduate Studies of the Faculty from August 2014, and previously headed the University's Centre for Industrial Training and Relations, which later expanded to become the Centre for Community and Industry Relations.

Thursday (March 10, 2016)

Session IX: Industry Solutions - Room – Starhill 5

Chair: Masaru Tezuka, Hitachi Solutions East Japan, Ltd.



08:00 – 08:25 (Thursday)

Masaru Tezuka

Hitachi Solutions East Japan, Ltd., Sendai, Miyagi, Japan

Masaru Tezuka is the Manager of the Research and Development Department at Hitachi Solutions East Japan, Ltd. He received a BE and ME in bio-physical engineering from Osaka University, Japan and a PhD in systems and Information engineering from Hokkaido University, Japan. He is a certified Systems Analyst and a certified Application Systems Design Engineer. He served in Malaysia as a short-term expert in operations research of the Japan International Cooperation Agency in 1998. His research interests include nonlinear optimization, evolutionary computation, computational intelligence, computational statistics, risk analysis, and their industrial application. He is a member of the Information Processing Society of Japan.

*ID 186: Importance of the Strategic Utilization of Information Technology in Small and Medium-Sized Food Manufacturers in Japan
Masaru Tezuka and Junko Miyazaki, Hitachi Solutions East Japan, Ltd., Sendai, Miyagi, Japan
Masaki Fujiwara and Miyuki Koriki, Miyagi University, Kurokagun, Miyagi, Japan*

08:25 – 08:50 (Thursday)

Dr. Jalaluddin Harun

Director General

Malaysian Timber Industry Board (MTIB)



08:50 – 09:15 (Thursday)

Prof. Dr. Bhuvanesh Rajamony

School of Manufacturing Engineering, University Malaysia Perlis UniMAP, Perlis, Malaysia

The challenges or issues that Malaysian industries are facing in order to implement and successfully sustain the lean manufacturing processes



Prof. Dr. Bhuvanesh Rajamony received B.Eng. in Mechanical Engineering from the University of Madurai, in 1974 and M.Sc.Eng. in Mechanical Engineering with Machine Tools Engineering from the University of Madras in 1976. He received his Ph.D degree in Mechanical Engineering with Manufacturing Technology from the University of Bombay, India, in 1988. After Doctoral received additional post graduate D.I.E. in Industrial Engineering in 1991 from the University of Bombay. He is one of the recognized Research Guide in the field of Production, Mechanical and Industrial Engineering by different universities. He has more than 40 years of teaching and research experience with different higher ranking Universities like University of Madras, University of Bombay, University of Sheffield, UiTM and USM. He is currently with the UniMAP as Professor of Manufacturing Engineering from 2004. Dr. Bhuvanesh is a Life Fellow member of the Institution of Engineers F.I.E. India, a Fellow member of the Institution of Plant Engineers F.I.I.P.E, Life member of Indian Society of Manufacturing Engineers M.I.S.M.E., and a Senior Life member of Indian society for technical education M.I.S.T.E. and Chartered Engineer C. Eng. and Member of IEOM. Dr. Bhuvanesh works in multiple areas of Advanced Manufacturing: Computer Integrated Manufacturing, Flexible Manufacturing Systems, CNC machines, Industrial engineering and Ergonomics. He has provided consultancy for many companies like Larsen & Toubro, Voltas, Mahindra, PAL, Telco and TATA in his specialist areas of Special purpose Machines, Advanced Manufacturing, Quality Management and Industrial Engineering. He has written and published more than 100 technical papers and reports in these areas in the international, national journals and conference proceedings. He has been the principal investigator of many manufacturing projects with CNC machines, metal cutting and industrial engineering projects with different industries and Universities. In UniMAP, responsible for setting up the Advanced Manufacturing Laboratory with EDM machine, Plasma cutting and TIG welding. He is also responsible for setting up the Advanced Flexible Manufacturing Laboratory with Robotics, Material Handling and the Ergonomics laboratory. He has also completed two funded research projects, one for Science Fund and another for Fundamental Research Grant from the Ministry of Science & Technology, MOSTI, Malaysia.

Session X: Industry Solutions - Room – Starhill 5

Chair: Ms. Resh Plaha, Crystal Quality UK Ltd

11:30 – 12:20 (Thursday)

Mr. Takenori Kabeya

Senior Engineer and IT Specialist of Production, Sales and Inventory Solution Department
Business Solution Division, Hitachi Solutions East Japan, Ltd.

Designing demand and supply operation tailored to industry sector and business category



Takenori Kabeya is a Senior Engineer and IT Specialist of the PSI (Production-Sales-Inventory) Solution Department at Hitachi Solutions East Japan, Ltd. He earned a master's degree in chemical engineering at the Graduate School of Engineering, Kyoto University, Japan. He has developed and provided supply chain planning (SCP) tools and systems such as production planning systems, demand forecasting tools, demand planning systems, and inventory analysis tools with the international development team based in Japan, India and the U.S. His customer list covers various types of businesses, including material manufacturers, assembly manufacturers, fables manufacturers, and wholesalers in Japan, Malaysia, Indonesia, Thailand, and so on. These customers are spread across a wide business area encompassing home appliances, car audio systems, chemicals, pharmaceuticals, consumer packaged goods (CPG), metals, beverages, and so on. His current task is to design optimal system architecture for SCP solutions.



12:20 – 12:45 (Thursday)

Ms. Resh Plaha BSc (Hons), IoD, IRCA, ACQI
Crystal Quality UK Ltd

Publication of BS EN ISO9001:2015 Quality Management Systems, its Global significance to Organisations

Ms. Resh Plaha sits on the UK's Chartered Quality Institute ISO9001:2015 Review Panel which reports directly into the ISO Geneva Head Office, ISO Technical Committee 176: Quality Management and Quality Assurance. Resh is also a member of the International Register of Certificated Auditors (IRCA) Advisory Panel responsible for providing thought leadership on the development, promotion and publication of audit methodologies, auditor competencies, auditor training and continuous professional development. Resh is a registered Lead Auditor with IRCA and a Member of the Institute of Directors. She is Managing Director of Crystal Quality UK Ltd, a private company offering bespoke project management consultancy and training services to organisations seeking registration to international standards in Quality Management Systems, Environmental, Health and Safety Systems including Food Safety. Major clients include Mercedes-Benz UK Ltd; the Ministry of Defence; Food and Beverage suppliers to Marks and Spencer plc; Central and local UK Government; Aerospace and other capital goods manufacturing organisations. Resh has a wealth of industrial and management experience that spans over 30 years in Quality Management Systems, commencing in the Food Industry before joining SGS, the international leading certification company. She is a highly experienced trainer and international speaker having personally delivered numerous short public IRCA approved training courses to delegates worldwide. Resh has presented at international conferences, delivered entrepreneurial and quality training at Singapore Nanyang Technological University, Hong Kong Polytechnic University and is a guest lecturer at Loughborough University, United Kingdom. She is a strong advocate of women's business roles in society and believes in leading by example.

Session XI: Industry Solutions - Room – Starhill 5

Chair: Johann Ong, SiTerra Malaysia Sdn Bhd., Kulim, Kedah, Malaysia



2:30 – 2:55 (Thursday)

Parth Rashmikant Patel,
Executive Director, Apollo Techno Equipments Limited, Ahmedabad, Gujarat, India

Parth Patel is an Executive Director at Apollo Techno Equipments Limited, Gujarat, India. Previously, He was working as Quality Engineer at Sakthi Automotive Group USA. He was a Master of Science student in Industrial Engineering Program at Lawrence Technological University, USA. He holds a Bachelor Degree in Mechanical Engineering from Visvesvaraya Technological University, Bangalore, India. He has attained an industrial experience working as a Mechanical Engineer at Apollo Construction Equipments Private Limited, India. He completed his training on Industrial Hydraulics at Rexroth Bosch Group, India. He has knowledge of ANSYS, AutoCAD, and Minitab. His expertise lies in CNC Programming, CIM Modeling and Arena. His research interest includes Manufacturing Process, Quality, and Six Sigma. He has a positive energy and a dream of manufacturing world-class facility that can contribute to the growth of his country.

2:55 – 3:20 pm

Johann Ong, SiTerra Malaysia Sdn Bhd., Kulim, Kedah, Malaysia

Ong Johann works as a Principle Engineer in SiTerra Malaysia Sdn Bhd. He earned B. (Hons) in Computer Aided Engineering from South Bank University, London. UK and Master Sc. in Information Technology in Business. Currently he is pursuing his PhD in Manufacturing Engineering Faculty, University Teknikal Malaysia, Melaka.

ID 457 Eliminate Salicide Residues in Wafer Fabrication Front-End Pre-Metal Layer Cleaning Process
Johann Ong and Bee Hoon Tan, SiTerra Malaysia Sdn Bhd., Kulim, Kedah, Malaysia



3:20 – 3:45 pm

Dr. D. Muruganandam, Production Engineering Dept. Sri Sairam Engineering College, Chennai, India

Dr. D. Muruganandam, In the midst of a healthy and intellectual upbringing, he obtained his Bachelor Degree in Mechanical Engineering from Madras University, in 1997. Subsequently, he obtained his M.E. in Computer Aided Design from Sathyabama University, Chennai, in 2002. Besides having a strong technical expertise and analytical skills, he acquired his Ph.D degree from Sathyabama University, Chennai, he has contributed to the areas of Welding, Engineering Design with his 49 research publications. A technical and education management expert, Dr. Muruganandam, believes that Science, Engineering and Technology are advancing at a fast pace and obsolescence of physical infrastructure, skills and competence takes place rapidly. He is keen on taking steps to improve the existing infrastructure, investment and intellectual strength wherever they exist and network them so as to utilize them effectively and optimally for meeting the changing needs. Not only does he profess the values of Indian culture but also does he practice many of the fundamental principles of humanity and society. While dedicating himself to the cause of creating a world class infrastructure, he has also undertaken many community services in various parts of India out of his quest to contribute more to society. He is member in SAE, MISTE, MISNT, MNIQR, SAISE, IRED, IAEngg, MMS, IWS, IIV, IIPro, and he has authored two books for budding Engineers. He is awarded with team building award in SAE NSS award Resource person for IRC Currently, Dr. Muruganandam is the Professor of Production Department of the internationally leading and highly advanced technical College – Sri Sairam Engineering College and he is known for his virtues as a wise mentor, friendly teacher, innovative administrator, and

visionary leader.

Session XII: Industry Solutions - Room – Starhill 5

Chair: Mehran Doulat Abadi, UTM Razak School of Engineering and Advanced Technology



2:30 – 3:45 pm (Thursday)

Mehran Doulat Abadi BSC. , MEM, MQM, EFQM, PhD.
Senior Research Fellow, Research Management Center (RMC)
University Technology Malaysia (UTM), Johor Bahru, Malaysia

Quality Improvement Initiatives in UAE: a case study of Dubai Cable Company (DUCAB)

Mehran Doulat Abadi is currently a Visiting Senior Research Fellow at University of Technology Malaysia (UTM). He has special interest in examination issues relating to Multi Criteria Decision Making (MCDM), Engineering Management and business excellence including the use of the European Foundation for Quality Management (EFQM) Excellence Model. He holds double Master's Degrees in Engineering Management with specialization in Quality Management and a Graduate Certificate in Project Management from University of Wollongong, New South Wales, Australia. He has written numerous papers on the topic of quality management and business excellence based on his research and consultative works. His papers have been published in refereed scientific journals as well as international conferences. He is a Registered Professional with Australian Organization for Quality (AOQ) and a senior member of the American Society for Quality (ASQ). He is a Certified European Excellence Assessor in Dubai Quality Award (DQA) program since 2007. He was recently engaged as a senior project coordinator in the Mystery Shopper Service Excellence Project under the directive of Prime Minister's Office (PMO) in Dubai, UAE.