



Short descriptions of the Lecturers



**Intensive Programme on Sustainability Management and Technology,
May 27-June 9, 2012 Béthune IUT / University of Artois, France**



Dr Gülşen AKMAN (GA)
Lecture on Industrial Ecology.



Dr. Gülşen Akman is an Assistant Professor in the Industrial Engineering Department at the Kocaeli University in Turkey. She has graduate degrees from Gebze Institute of Technology (Ph.D.-Business Administration), Istanbul Technical University (MSc-Industrial Engineering) and Yıldız Technical University (BSc- Industrial Engineering). After five years experience in industry, she started to work at the University. She teaches Marketing Management, Project Management, Design and Management of Production Systems at undergraduate level. She teaches Theory of Constraint, Innovation and Technology Management, R&D and Technology Management at graduate level. She teaches Advanced Statistical Techniques in Research in Doctorate level. Her research interests span the fields of strategic innovation management, innovative capability, product design, product development in supply chain context, fuzzy set theory, multi criteria decision making, statistical analysis, manufacturing systems, industrial ecology, eco-innovation, eco-design, green supply chain, eco-industrial parks.



Bahadır Yörür is a research assistant in the Department of Industrial Engineering at Kocaeli University. He has bachelor's degree in industrial engineering from Dumlupınar University in 2001, and master degree in Industrial Engineering Program from Dumlupınar University in 2005. He is a student of doctorate program at the Department of Industrial Engineering in Kocaeli University. His research areas are multi criteria decision making, innovation and technology management, simulation methodology, statistical process. He join IP with Gülşen Akman, under European exchange of his university.



Dr Kaija ARHIO (KA)
Lecture on From idea to business plan, how to make a start-up for environmental company.



Kaija Arhio works as a principal lecturer in wood technology at CENTRIA University. Her background is in engineering and she has a Ph.D. in economics in the field of entrepreneurship (2007). Her main teaching areas are wood technology and entrepreneurship.



THE UNIVERSITY
of York



Pr John GOODBY (JG)

Lecture on Recycling & Demanufacturing of display devices such as LCD.

John Goodby FRS studied for his doctorate in Liquid Crystals at the University of Hull under the guidance of Professor George Gray CBE, FRS before moving to AT&T Bell Laboratories at Murray Hill New Jersey, USA, where he became Supervisor of the Liquid Crystal Materials Group. After nearly ten years in the States, he moved back to the UK to become the Thorn EMI-STC Reader in Industrial Chemistry at Hull University. After two years he became Head of the Liquid Crystals and Advanced Organic Materials Group, and subsequently Head of the School of Chemistry. Currently he is Chair of Materials Chemistry at the University of York. His research has resulted in nearly 500 publications and over 50 International patents, and is focused on directed self-organization and self-assembly in materials through nano- and meso-phase segregation, the development of materials for bistable displays, polymers and dendrimers for photonics, and gels for use in biomedical applications. His research in organic materials has been recognized by the award of the GW Gray Medal of the British Liquid Crystal Society; the Tilden Lectureship of the Royal Society of Chemistry (RSC); an Honorary Doctorate from Trinity College, Dublin; the Interdisciplinary Award of the RSC, the Luckhurst-Samulski Prize, and Honored Membership of the International Liquid Crystal Society. John was elected a Fellow of the Royal Society in 2011.



Dr Wes GREBSKI, Invited teacher (WG)

Lecture on Energy Sustainability from Engineering and Business Perspective.

Dr. Wes Grebski is an Associate Professor of Engineering at Penn State Hazleton. He joined Penn State as an engineering faculty member in 1984. Presently he serves as Coordinator of the MET program at the Hazleton Campus and MET program system-wide. Dr. Grebski received his PhD in Technical Sciences from the Stanislaw Staszic University of Mining and Metallurgy in Krakow, Poland in 1978 where he was a full-time faculty member from 1974-1980. His research interests have evolved from vibration control to computer aided manufacturing. Presently he is focusing on alternative and sustainable forms of energy. In conjunction with this focus Dr. Grebski was coordinating the development of a Bachelor of Science in General Engineering with Alternative Energy and Power Generation Track at Penn State Hazleton. The BS General Engineering Program was implemented in the Fall 2010 Semester. Dr. Grebski serves as the Program Coordinator. In the Spring 2007 he was honored with the Milton S. Eisenhower Award for Distinguished Teaching which is the highest award for faculty at Penn State. Dr. Grebski received the Penn State Engineering Alumni Society Premier Teaching Award in 2010.



Dr Karl HAAPALA, Invited teacher (KH)
Lecture on Eco-design, LCA thinking, and closed loop supply chain.



Dr. Karl R. Haapala is an Assistant Professor and Swigert Faculty Fellow in the School of Mechanical, Industrial, and Manufacturing Engineering at Oregon State University. He serves as chair of the Life Cycle Engineering Technical Committee of the ASME Manufacturing Engineering Division. He previously served as Research Engineer and Instructor within the Department of Mechanical Engineering-Engineering Mechanics at Michigan Technological University. He received his B.S. (2001) and M.S. (2003) in Mechanical Engineering from Michigan Tech. As an NSF IGERT trainee (2004-2008), he received his Ph.D. in Mechanical Engineering-Engineering Mechanics from Michigan Tech (2008) and was a doctoral exchange student in the Ph.D. Program in Public Policy at Southern University -- Baton Rouge, LA (2005). His research addresses sustainable design and manufacturing challenges, including life cycle engineering, manufacturing process modeling, and sustainable engineering education. He has received funding from the National Science Foundation, U.S. Army, Oregon Metals Initiative, and industrial companies. His work has appeared in more than 30 peer-reviewed proceedings and journals.



Drs Sander HUPKES (SH)
Lecture on Corporate Social Responsibility (expertise in Ethics).



Sander Hupkes (1960) works at NHL University of applied sciences (Leeuwarden, Netherlands) in the institute of economics and management since 2003. The fields of expertise he's teaching in are (business) ethics, corporate social responsibility and industrial relations. He received an academic (master) degree in Philosophy (University of Groningen, RUG 1987). He worked for 10 years for a trade union in the building industry. In the 90's, this trade union was one of the first to put sustainability in the building industry on the agenda. Between 2003 and 2004 he made the switch to higher education and received his full qualification for teaching in 2004. Since 2008 he has been one of the participating lectures in the minor Global Sustainability. He gave lectures on CSR at the University of Warsaw (2008) and of Frankfurt (2009). Two books were published by the educational publisher Noordhoff (Groningen): - Hupkes, Sander (2006) *Ethiek in organisaties*, Groningen, Noordhoff (Ethics in organizations) - Hupkes, Sander (2010) *Maatschappelijk verantwoord Hoe?Zo!*, Groningen, Noordhoff (Social responsibility. Why? And how!).



Dr Anna KARWASZ (AK)
Lecture on Ecofriendly and green machining, Towards the green maintenance of machines.

Anna Karwasz works at Poznan University of Technology in the Faculty of Mechanical Engineering and Management, Division of Production



Management. In 2001, she received a master's degree in Mechanical Engineering. Since 2002 she has been teaching computer science, CAD systems, CAD / CAM, computer aided engineering, computer aided engineering graphics, science in mechanical engineering, information management systems. In 2008 she defended her doctoral dissertation: Method of product design assessment with Consideration of Disassembly for the recycling process. She is an executor research projects on eco-design, recycling of household electronics. She is interested in sustainable development of products, renewable energy, clean production. She is the author of 24 publications.



Dr Kyoung-Yun (Joseph) KIM , Invited Teacher (KYK)
Lecture on Eco-design, LCA thinking, and closed loop supply chain.

Kyoung-Yun Kim is an associate professor in the Department of Industrial and Systems Engineering at Wayne State University, where he directs the Computational Intelligence and Design Informatics (CInDI) Laboratory and the Product Development and System Engineering Consortium (PDSEC). Dr. Kim's research focuses on design informatics; design science; sustainable design; collaborative product development; and design and manufacturing of soft products. Dr. Kim has received external funding from several U.S. federal agencies including NSF, NIDRR, DOD, and Department of Energy, the Korean Ministry of Knowledge Economy, and industries including Ford and GM. He has published over 50 journal papers and conference papers in proceedings and numerous technical reports and presentations. Currently, Dr. Kim is a planning site director for the NSF Industry and University Cooperative Research Center (I/UCRC) for e-Design. Dr. Kim's education includes a Ph.D. in Industrial Engineering from University of Pittsburgh.



Dr Gül KREMER, Invited teacher (GK)
Lecture on Eco-design, LCA thinking, and closed loop supply chain.

Gül Kremer is an Associate Professor of Engineering Design and Industrial Engineering at the Pennsylvania State University. She received her Ph.D. from University of Missouri-Rolla in Engineering Management and Systems Engineering. Her research interests include multi-criteria decision analysis methods applied to improvement of products and systems and enhancing creativity in engineering design settings. Her published work appears in journals such as Journal of Mechanical Design, Journal of Engineering Design, Journal of Intelligent Manufacturing, Journal of Engineering Education, European Journal of Engineering Education and Technovation. She is a member of IIE, ASME, and ASEE. She is also a National Research Council-US AFRL Faculty Fellow for the Human Effectiveness Directorate (2002-2004), an invited participant of the National Academy of Engineering (NAE) Frontiers in Engineering Education Symposium (2009), and a Fulbright Scholar to Ireland (2010-2011). Currently, her research foci include sustainable product design and enhancing creativity in engineering design settings.



Dr Nathalie LECOCQ (NL)

Lecture on Circular economy, Fonctionnal economy, a new way of thinking for a sustainable world, and Environmental regulations in Europe.



Nathalie Levent-Lecocq has been working at Béthune University Institute of Technology of the Artois University, in the dept QLIO (Quality Industrial Logistics and Organisation) since 1998. Her teaching focuses on mathematics (statistics, operational research) and on environmental sustainability (sustainable development, environmental laws and certifications, waste, energy, air quality and water management in an industrial vision). She is responsible for sustainable development at the IUT of Béthune, monitoring lots of projects of students in link with the environment. She received her "Agrégation" (full qualifications for teaching) in Applied Physics (1998) and her PhD in Electronics (1995) in Lille-1 University, after 3 years in the LCPC laboratory (lab. Central des Ponts et Chaussées) in Nantes. She was research assistant, as a "summer student" (1992) at CERN, European Centre for Particle Physics in Geneva. She serves as chairwoman of the scientific committee of the LCA Congress in Lille organised by [Avnir] Platform.



Pr Grahame MacKENZIE (GMK)

Lecture on Improved shelf life and enhanced bioavailability for drug delivery, cosmetics, and food & drinks, water purification.



Reader in Bioorganic Chemistry in the Department of Chemistry at the University of Hull. Research Director of Sporomex Ltd, a University of Hull spin-out company having 4 lead patents extending to 3 at PCT and 14 patents in individual countries and 4 collaborative agreements with major food and pharmaceutical companies. Published over 140 papers in the fields of chemistry relating to carbohydrates, lipids, nucleosides, nitrogen heterocycles, self assembly and synthesis of glycolipids and sporopollenin; financial support for this work has come from the research councils, Wellcome Trust, EPSRC, BBSRC and companies both in the UK and Japan. Support for international exchange has been derived from NATO, British Council (two Alliance programmes), Socrates, Leonardo and various regions in France including Bretagne, Picardie and Ile de France. Visiting Professorship at the University of Hokkaido Japan (1989) and a CNRS Poste Rouge Director de Recherche at the Université de Lyon, France (1988-1989). Visiting Professorships in France including the Université de Picardie Jules Verne (1992 to 2005), Université d'Artois (2005-2012) and Université de Limoges (2006-2009). Fellow of the Royal Society of Chemistry and Chartered Chemist (Programme Secretary for North Humberside Section 1986-1991, Vice Chairman-Chairman 1991-1992 and Chairman 1992-1993 and 2000-2001); Member of The Biochemical Society, The Society for Drug Research, MRC AIDS Directed Programme, - Working-Group on Chemical Synthesis (1992-1996) and the International Society of Nucleic Acid Chemistry (Preparatory Committee Member), grants referee for the Czech National Academy of

Sciences.

Some 24 years teaching experience at both undergraduate and postgraduate levels. Supervised (either as first or second supervisor) 34 PhD students in English and French universities. External examiner for undergraduate courses at University of Central Lancashire (1991-1995), Manchester Metropolitan University (2005-2008), Leeds University Colour Chemistry (2005-2010), Teesside University (1996-2000) and postgraduate courses at the Université de Picardie Jules Verne France (1991-to date and Napier University (2001-2004). Research degree (PhD and MSc) external examiner on several occasions at the following universities: Edinburgh, Heriot-Watt, Sheffield, Bath, Southampton, Central Lancashire, Lincoln, Leeds, Napier, Manchester, Rennes (France), Lyon I (France), Picardie Jules Verne (France), Limoges, Katholieke Universiteit Leuven (Belgium), Kenitra (Morocco), Puna (India), Limoges (France), Memorial University Newfoundland (Canada).



Dr Donal McHALE (DMH)

Lecture on Lean to green, ISO14001, sustainability metrics.



Donal McHale is an academic staff member in the College of Engineering and Built Environment at the Dublin Institute of Technology, Dublin, Ireland. Donal's background includes 16 years in transnational Engineering and Engineering management roles in the mass-media products sector. Holder of an MBA and BE (Industrial) from the National University of Ireland, he is the co-principal investigator of a Dual Masters degree project (StiMasters) and an Excellence in Mobility Project (DETECT), both four year projects funded by the Atlantis programme, an EU-US cooperation programme in Higher Education and Vocational Training. The DETECT project promotes trans-national undergraduate exchange between two European Engineering, Design and Technology Educational Institutions (Dublin Institute of Technology & the University of Applied Science, Darmstadt, Germany) and two US counterpart institutions (Purdue University and the Pennsylvania State University). The Stimasters project is a transatlantic dual Masters degree project with participating institutions including the Dublin Institute of Technology, Purdue University and the Universitat Polytechnica De Catalunya, Barcelona, Spain. Donal has published in Engineering Educational journals in the US and Europe and also maintains research interests in the Lean/Six Sigma and Quality Management areas.



Dr Anne MENERT (AM)

Lecture on Biotechnology in wastewater treatment processes, Production of biogas from renewable sources.



Dr. Anne Menert is a researcher in the Department of Chemistry at Tallinn University of Technology in Estonia. She has graduate degrees from Tallinn University of Technology (PhD in Natural Sciences and MSc in Chemical Technology). Her research interests are focused on environmental biotechnology, specifically on anaerobic processes of



waste treatment and biomass conversion. A novel direction is examining possible mutual interactions between sulfur and nitrogen compounds in anaerobic wastewater treatment processes. Anne Menert is and has been involved in several EU financed projects including the one between three Estonian Universities “Anaerobic digestion process optimization and development of control and monitoring systems for biogas processes, 2011-2015” financed by Energy Technology Program (Archimedes Foundation, Estonia). At Tallinn University of Technology she has been delivering lecture courses for bachelor students “Use of enzymes for food production” and “Environmental biotechnology”. She has supervised more than 20 diploma and bachelor thesis and 8 master thesis, currently there are two PhD thesis and one master thesis under her supervision.



Pr Marian MOCAN (MM)
Lecture on lean to green management.



Marian MOCAN (1961) is professor at “Politehnica” University of Timisoara - Romania, Department of Management. He graduated at the Faculty of Mechanical Engineering at “Politehnica” University of Timisoara and he absolved Master of Business Counseling at Washington State University – SBDC. Since 1999 Marian MOCAN has been PhD in Economics. He teaches Management, Logistics, Strategic Management and Management of the Logistic Systems at Bachelor and Master Program from Faculty of Management in Production and Transportation from Timisoara – Romania. Mr. Mocan has a very good international experience starting with 1993. He participated in many professional programs and conferences in different countries - France, United States of America, Greece, Great Britain, Spain, Italy, Portugal, Hungary, South Africa, Serbia, and Slovenia. Mr. Mocan has a strong interest in researching activities as a PhD coordinator in Logistics, Management of Small and Medium Size Companies, Supply Chain, Lean to Green Management, Transportation.



Pr Sibylle PLANITZ-PENNO (SPP)
Lecture on reverse logistics or waste management (Polymer recycling).



Sibylle Planitz-Penno studied chemistry and received her PhD on a topic in analytical chemistry at the University of Marburg, Germany. She worked in the field of reinforcing fibres, i.e. carbon fibre and aramide fibre, concentrating on the chemical aspects such as the fibre-matrix-interface. There she was intensively involved in international research and development. She entered the University of Applied Sciences Gelsenkirchen in 1992 teaching general chemistry, polymer science and analytical chemistry. She has held a number of management positions (dean of mechanical engineering department, vice president international affairs). Her special interests are internationalization, the development of personal skills in students and the didactics of university teaching.



Dr Crina RADU (CR)

Lecture on eco-design, evaluation of the environmental impacts of products.



Crina RADU is lecturer at “Vasile Alecsandri” University of Bacau, Faculty of Engineering, Department of Engineering and Management of Industrial Systems. She received the PhD thesis in Industrial Engineering - in cold forming of metal sheets. Specific achievements are: 58 scientific papers in ISI Journals, proceedings of international conferences, national journals and reviews; project director for 3 research programs financed by Romanian Council of Research in Higher Education (CNCSIS) and one project with an industrial partner; collaborator at: 2 international research projects, 9 national research projects financed by CNCSIS and 3 projects financed by industrial partners. Specializations and research stages abroad: FEMTO-ST University of Besançon, France (2010, 2011), University of Savoie, France (2005), University of Metz, France (2003), Technical University of Wroclaw Poland (2002). Coordinator of ERASMUS agreement with FEMTO-ST Institute, Besancon, France.



Mrs Monica ROSU (MR)

Lecture on ISO26000, Social management with application to Universities and EU project.



Monica ROSU (1960) has been a lecturer at the University “Eftimie” Murgu” (Reșița, Romania) - UEMR since 1990. She has taught English and French, as well as specialised language skills and communication at the UEMR faculties of engineering and the faculties of economics, public administration and social work. She is currently teaching English and Business English at the Faculty of Economics of UEMR and tutoring the UEMR Erasmus students in English and French. She has been part of the “pioneer” team of professors who started and developed the international relations and European programmes in the UEMR in 1994. She has been manager, assistant manager, researcher and translator in most of the European projects where UEMR was partner (Tempus, Phare, Leonardo da Vinci, Youth in Action, Erasmus, Grundtvig, Culture2000, IPA Crossborder Cooperation Romania-Serbia etc.). She has been the communication manager of the Office of International Relations since its establishment in the mid ‘90s. She has acquired thus first-hand practical expertise in the management of European projects, international relations and multi-national activities and meetings. She is also the Foreign Languages manager of the team constituting the Secretarial Office of the university consortium “Carolus Magnus”, made of partner European universities who cooperate in the fields of training, research and European programmes. She is also an English and French trainer in the courses organised by other entities in the region in projects financed by the European Union, as well as an interpreter in such training courses given by foreign lecturers in English, French and Italian. She is also an official translator for English and French authorised by the Romanian Ministry of Justice.



Pr Antonio STASI (AS)
Lecture on Sustainability in Food Production from Farm to Fork.



Antonio Stasi: MSc in Agricultural and Resource Economics, University of Arizona, PhD in Sustainable Agricultural Ecosystems, specialization in Agro-Food Economics, University of Foggia. At the moment he is an assistant professor (lecturer) of Agro-Food Economics and Policy at the University of Foggia, he is also in charge of international relationships for the faculty of Agriculture.

He teaches microeconomics and "economics of food safety and nutrition". His research generally concerns applied analysis aiming at understanding market dynamics and predicting new trends. Market power and profit analysis, in order to understand firms strategy, is also one of the main interest. In his applied analysis he covered wine market, olive oil market, commodity markets such as cereals and tomatoes. New research streams are obesity economics and food production impact on environment.



Mrs Justyna STEFANIAK (JS)
Lecture on Air conditioning systems, an alternative option with absorption chillers.



M.Sc. Eng. Justyna Stefaniak is an assistant at the Environmental Faculty of Lublin University of Technology. She is a staff member of Sustainable Institute. She teaches Water Supply and Sewage Systems Design at undergraduate studies. Her research interests are connected with sustainable technology, especially with air-conditioning systems. She also takes a part in international activities (Erasmus for students and teachers) and promotes international collaboration (International Days, Isparta 2011, faculty activities). Currently, she is involved in a project which supports collaboration between the University and local enterprises.



M. Pertti VARIS (PV)
Lecture on break-even analysis and making the calculations of establishing an environment Company.



Mr. Pertti Varis is working as a Lecturer in University of Applied Sciences in Kuopio. He has studied in Lappeenranta University of Technology and graduated as M.Sc. of Productions and Operations management in year 1988. After that they was industrial experiences and he has been working three years in sales and production planning in Enso-Gutzeit Oy Helsinki in Liquid packaging board division. His special areas in teaching are Operational accounting and Business economics, Management skills and Project management, Production control, Marketing and also Basics of environmental techniques. He has got full qualification for teaching in 1999 at the School of vocational teacher education in University of Applied Sciences Tampere. Furthermore they have been two years working in administration of

this moment until end of year 2012 he is working as Project manager of Verkostohanke VerBi which is partially funded by a local Finnish European monetary. The basics idea is to make a common approach for the International Projects with Universities and companies. There is a real product to be designed, planned, manufactured and assembled using CDIO- learning methods. Personal interest is a new European project of the continuing VerBi after year 2014 when a new financial period will be started.
