

# EURIPIDES FORUM 2012

# 13-15 JUNE 2012

# GRAZ | AUSTRIA

## PROGRAM

### » Day 1 – 13 June 2012

#### Registration at 08:30

#### Opening ceremony

- 09:30 Opening Remarks  
**Christian Buchmann**, State of Styria - Austria  
**Thomas Krautzer**, Federation of Austrian Industries (IV) - Austria  
**Andreas Gerstenmayer**, AT&S – Austria  
**Heinz Moitzi**, AT&S – Austria
- Welcome by the EURIPIDES Chairman  
**Jean-Luc Maté**, Continental - France

#### SESSION 1 >> RFID – flexible substrates, ultra thin semiconductors, printed electronics. Chairperson: **Wolfgang Pribyl**, JOANNEUM RESEARCH - Austria

- 10:05 **Keynote: Flexible Integrated Smart Systems - Trends and Challenges**  
**Marc Koetse**, Holst Centre (TNO) - The Netherlands

| Coffee Break from 10:40 to 11:00 |

- 11:00 **Printed Electronics - Quo Vadis?**  
**Emil List**, NanoTecCenter Weiz / TU Graz - Austria
- 11:20 **Innovative Wafer and Interconnect Technologies - Enabling High Volume Low Cost RFID Solutions**  
**Christian Zenz**, NXP Semiconductors Austria GmbH - Austria
- 11:40 **Smart Label – High Volume Production Aspects and Product Outlook**  
**Frank Kriebel**, Smartrac Technology Dresden - Germany
- 12:00 **Universal Local Storage Technology and Potential Applications**  
**Michel Durr**, CEA-Leti - France

| Lunch from 12:30 to 13:30 |

#### Eols' SESSION >> Expressions of Interest

- 13:30 Proposal ideas and consortia preparation for EURIPIDES Call 14

| Coffee Break from 15:00 to 15:20 |

- 15:20 **Embedded RFID Reader - Making PCBs Communicate**  
**Giuliano Manzi**, austriamicrosystems AG - Austria
- 15:40 **INTERFLEX: an Energy Autonomous and Wireless System-in-Foil for Air Quality Monitoring**  
**Matthias Mahlich**, Robert Bosch GmbH - Germany
- 16:00 **Integrated Nanosensors for Health and Environmental Monitoring**  
**Hubert Brückl**, AIT Austrian Institute of Technology GmbH - Austria
- 16:15 **Flexible and Disposable Electronics Technology and Opportunities**  
**Luigi Occhipinti**, STMicroelectronics - Italy

#### POSTERS' SESSION >> Presentation of EURIPIDES projects

- 16:40 Presentations: **3DICE - ENERPAC - BoB - SPRINTRONICS – COSEC-ID - IMATERA - THOR – INTEX – MIDIMU-HD**  
 Posters: **MIDIMU-HD - MiniMEMS - MEGA - SINETRA**

- 17:30 Reception by the Governor of the State of Styria, Franz Voves

- 19:15 Social event >> Gala Dinner at Burg Rabenstein (Bus departure)**

### » Contact & Information

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**REGISTER NOW: [www.euripides-eureka.eu/forums/2](http://www.euripides-eureka.eu/forums/2)**

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### » Day 2 – 14 June 2012

#### Opening at 08:30

#### SESSION 2 >> Medical Technology – biocompatible material & packaging, smart sensors. Chairperson: **Robert Gfrerer**, human.technology.styria - Austria

- 08:35 **Keynote: Smart Sensors in Medical Devices**  
**Hans-Otto Maier**, B. Braun Melsungen AG - Germany
- 09:10 **Trends in Medical Sensors**  
**Gerald Urban**, Albert-Ludwigs-Universität Freiburg - Germany
- 09:30 **From Bioresorbable Material to Sensor Applications in Medical Technology**  
**Annelie-Martina Weinberg**, Mathias-Spital Rheine – Germany / TU Graz - Austria
- 09:50 **Building Smaller, More Reliable Medical Electronic Devices through 3D Integration**  
**Charlotte Jennequin**, IPDiA - France

| Coffee Break from 10:10 to 10:30 |

- 10:30 **Medical Engineering: between Innovation and Legislation**  
**Thomas Pieber**, Medical Univ. Graz / JOANNEUM RESEARCH - Austria
- 10:50 **Trends in Medical Applications of Smart Gas Sensors**  
**Maximilian Fleischer**, Siemens AG / Corporate Techno. - Germany
- 11:10 **Overview on Medical Technology**  
**Christian Val**, 3DPlus - France

| Lunch from 11:30 to 12:30 |

#### SESSION 3 >> Smart Power Technologies/Applications. High Temperature Interconnect and Substrates, Energy Harvesting using Semiconductors, High Current Components, Inverter Modules, E-car and Smart Grids. Chairperson: **Raimund Ellinger**, AVL List GmbH - Austria

- 12:35 **Keynote: Power electronics in highly integrated powertrains for electrical vehicles with polyphase motors**  
**Reiner John**, Infineon Technologies AG - Germany
- 13:10 **Automotive battery technologies and simulation approaches for Lithiumion batteries**  
**Daniel Watzenig**, VIF Center / TU Graz - Austria
- 13:30 **A new ceramic capacitor technology for power electronics**  
**Günter Engel**, EPCOS OHG (TDK-EPC Corporation) - Austria
- 13:50 **Evolution of international regulations and societal demand on Power Devices and Packaging Technologies**  
**Emanuele Scrofani**, STMicroelectronics - Italy

| Coffee Break from 14:10 to 14:30 |

- 14:30 **Energy Harvesting – Why Environment and Reliability are Essential for System Dimensioning?**  
**Andreas Middendorf**, Fraunhofer Gesellschaft / IZM - Germany
- 14:50 **Market trends in MEMS**  
**Jean-Christophe Eloy**, Yole Développement – France
- 15:10 **New Advanced Packaging Technology at AT&S**  
**Mark Beesley**, Austria Technologie & Systemtechnik AG – Austria
- 15:30 **A Short Cruise in the Research Landscape of Styria**  
**Roswitha Wiedenhofer**, FH Joanneum - Austria
- 15:50 **EPoSS Roadmaps and Strategy for 2020**  
**Thomas Köhler**, VDI/VDE Innovation+Technik GmbH - Germany

#### Closing ceremony at 16:10

### » Day 3 – 15 June 2012: Company Tour / Technical Visits

From 08:30 to 12:00 >> BOOK your visit on the [Registration form](#)



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**SPEAKERS**



**Jean-Luc MATE**

Jean-Luc Maté is currently the Vice President Strategy & Technology at Continental Automotive France SAS. In 1978 he graduated in Microelectronics Engineering from the National Polytechnic Institute of Grenoble. A year later he founded REXIS Automotive Electronic control module JV Renault / Bendix.

In 1988 he was made technical director for electronic systems at Siemens Bendix and then 3 years later Vice-President for E/E system and vehicle architecture engineering. In 2001 Jean-Luc Maté joined Siemens VDO, first as Vice-President Interior Systems, then as Vice-President Strategic Marketing and Innovation Management for Body and Chassis and finally, in 2006, as Executive Vice President Strategy Technology and Innovation Management Western Europe.

Since 2007 Jean-Luc Maté has been the Chairman of the EUREKA - EURIPIDES cluster.



**Andreas GERSTENMAYER**

He studied at the University of Applied Sciences of Rosenheim, Germany. He is a Graduate Engineer (Dipl. Ing.) in Mechanical Engineering.

From 1990 to 2003 he works at Siemens AG in Business Unit Lighting Technology, Business Unit Bogies and Business Unit Transportation Systems. From 2003 to 2008 he was Managing Director and CEO of the Business Unit Bogies of Siemens Transportation Systems GmbH in Graz

(world HQ) In 2009 in became shareholder of FOCUSION Business Consulting Systems GmbH in Graz. Since 2002 till now he is CEO of AT&S Austria Technologie & Systemtechnik AG.



**Heinz MOITZI**

He has been Apprenticeship in Electrical Engineering, Stadtwerke Judenburg, Austria and in 1981 HTBL - Electrical Engineering with school leaving examination in Kapfenberg, Austria.

In 1981 till now he is working at AT&S Austria Technologie & Systemtechnik AG in Vienna. He started as Technician in Measurement Technology, Montanuniversität of Leoben, Austria. A year later he was Head of departments Mechanical Production Processes and

Electroplating. In 1996 he was named Manager Production Leoben-Hinterberg and in 2000 he was named Plant Manager of Leoben-Hinterberg. In 2001 he was appointed Project Manager and COO of AT&S China and in 2005 Vice President Production. Since 2005 he is a Member of the Management Board/CTO.



**Wolfgang PRIBYL**

He graduated in 1977 in Electrical Engineering / Communication Engineering from Graz University of Technology. And in 1981 he obtain a PhD degree in Electrical and Biomedical Engineering from Graz University of Technology. In 1999, he achieve a MBA degree from IMADec Vienna and California State University, Hayward, USA.

From 1981 to 1988 he worked at Siemens Semiconductors (now Infineon): design engineer, project and group leader at Villach, Munich, Cupertino (USA). From 1988 to 1993 he join JOANNEUM RESEARC as Head of Institute for Electronic Systems Design. In 1993 till 1998 at Siemens Semiconductors he was Managing Director of the Design Center for Microelectronics Villach / Graz .In 1999 he became Member of the Board in charge of research and technology (CTO) at austriamicrosystems AG, Unterpremstätten.

In 2003 he act as an Independent consultant in the fields of electronics and microelectronics and since 2005 he is a Professor at Graz University of Technology, Institute of Electronics Since September 2011 he is also Managing Director of JOANNEUM RESEARCH in Graz.



**Marc M. KOETSE**

Marc M. Koetse studied chemistry in Groningen the Netherlands. After graduation in 1997 he started as a PhD-student at the Université catholique de Louvain (Belgium) in the field of polymer chemistry and material science. He received his degree in 2001 under the supervision of Prof. Dr. A. Laschewsky.

After two years working as a post-doc at the Eindhoven University of Technology (the Netherlands) in the field of organic electronics, he started at TNO Science and Industry (Eindhoven, the Netherlands) to work mainly on organic photovoltaics. In 2006 he made the move to the newly founded Holst Centre in the same city. Here he started a group developing lamination and interconnection technology of foil based modules. Recently he became project leader in the Sensor Tags and Systems program where he is responsible for the integration of organic and inorganic electronics into generic sensor platforms such as a smart bandage.



**Emil J.W. LIST**

He is Associate Professor at Institute of Solid State Physics, Graz University of Technology and Scientific Managing Director at NanoTecCenter Weiz Forschungsgesellschaft mbH

He is a worldwide renowned recognized expert in the field of (printed) organic semiconductor devices and structure to property relations in organic semiconductors. Over the past 15 years he has made important

contributions (well recognized – ca. 5200 citations, h-index 32) contributions (156 publications, 7 patents) towards a better fundamental understanding of structure to property relations in conjugated polymers and their application in (printed) electronic and optoelectronics device, where in particular he has focused on the development of inkjet printing processes and printed sensor devices.



**Christian ZENZ**

Director Packaging & Assembly for Identification. After graduating in polymer physic at the Graz University of Technology in 2000, he joined NXP Semiconductors (formerly Philips Semiconductors). He has been leading several projects in Research & Development in the area of banking and eGovernment applications. In 2007 he was appointed

Technology Manager for Packaging and Assembly. In his current position

he is also responsible to develop and introduce wafer backend and assembly technologies for low cost RFID applications together with customers and suppliers.



**Dr. Frank KRIEBEL**

He studied electronic engineering at the University of Technology Dresden, where he received his degree and subsequently completed a Ph.D. on assembly technologies of large area chips.

He has been working in several fields of microelectronics, interconnection technologies, sensor components, 3-D packages and Micro-systems since more than 30 years. He has more than 15 years' experience in the RFID field as well as in high volume production

processes. Frank Kriebel is one of the founders of KSW Microtec in 1994. He has more than 15 years' experience in the RFID field as well as in high volume production processes. Frank Kriebel is one of the founders of KSW Microtec in 1994. KSW was one of the leading companies for development and production of RFID Smart Labels. KSW is owned since end of 2011 by SMARTRAC-Group and acting as SMARTRAC TECHNOLOGIES Dresden GmbH.

He has now the responsibility for advanced research & development at the R&D centre of Excellence in Dresden in the SMARTRAC GROUP.



**Michel DURR**

Michel Durr received his engineering degree in Electronics from ENSERG, Grenoble, France, in 1984. He started as digital ASIC design engineer and project leader in Thomson CSF Semiconductor for space, military and avionic applications in Grenoble and Paris. In 1993 he was responsible of the digital ASIC design team handling about 20

ASIC's/year. In 2000, he managed the central digital design activity of

ATMEL Grenoble working for various applications like CMOS Imager, fingerprint IC's, RF transceiver. In 2003, he was heading the RF and mixed signal design team developing RF products in the ISM band < 1 GHz and sensor data acquisition ASIC's for industrial and automotive market. In 2008, in e2v, he managed the high speed data converter team developing state of the art multi-gigasample ADC's and DAC's. In 2010 he joined CEA-LETI as program manager in charge of setting collaboration programs with industrial partners in the field of analog, RF and Imager IC design.



**Giuliano Manzi**

Giuliano received the Degree in electronic engineering from the "Università Politecnica delle Marche", Ancona - Italy, in 2001. He co-founded a spin-off company WEST L'Aquila (Wireless Embedded Systems Technologies, L'Aquila). In 2005, he was with the EMC Department, Philips Research, Eindhoven - Netherlands, working on coexistence between wireless 802.11 and UWB communication systems. He received the Ph.D. degree from the Univ. of L'Aquila in

2006. During his Ph.D. study his research interests were focused on EMC, numerical methods, modeling techniques, shielding techniques, electrostatic discharge phenomena, UWB signal interferences and coexistence of wireless systems. From 2006 to 2011, he was with the Radio Frequency Identification Systems (RFID) Reference Design Center of Philips Semiconductor (now NXP Semiconductor), Gratkorn, Austria.

Since 2011 he is with austriamicrosystems AG(now AMS). He is currently working on UHF and HF RFID system design and application optimization.



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### Matthias MAHLICH

Currently employed within corporate sector research - advance production technology - plastics engineering. Experience within the area of electronic packaging since 1997 at different companies. Joined Bosch in 2008 and was working in different internal projects, now within EU-Project "Interflex".



### Hubert BRÜCKL

Currently, he is heading a research group for "Integrated Sensor Systems" in the Health & Environment Department at the AIT Austrian Institute of Technology, and is vice head of the business unit "Molecular Diagnostics". His scientific interests cover thin films, magnetism, sensors and nanotechnology. He received his PhD in Physics from the University of Regensburg in 1992. After Postdoc at the Technical University of Darmstadt, a research sabbatical at Siemens AG, positions as group leader at the Institute of Solid State and Material Research (IFW) in Dresden and as research associate in the Department of Thin Films and Nanostructures at the University of Bielefeld, he got the Habilitation and an assistant professorship in Bielefeld. He got more than 140 peer-reviewed publications, holds several patents, and got several awards.

### Luigi OCCHIPINTI



He works for STMicroelectronics since 1995, covering several positions associated with R&D programs and initiatives for More than Moore and post-silicon roadmaps. Currently Programs Director of Flexible & Disposable Electronics within Central R&D of the Industrial and Multisegment Sector (IMS), reporting to the Group VP and General Manager of R&D. His scientific field interests include a number of emerging technology areas for the post-CMOS roadmap, heterogeneous integration, polymer and printed electronics, advanced bio-systems, advanced signal processing and nonlinear computation. Luigi Occhipinti is author of more than 70 scientific publications in international journals and conference proceedings, editor in chief of one book on organic electronics, and inventor of about 40 industrial patents and patents applications filed worldwide. He is member of advisory boards for European and International co-operation projects, as well as member of several scientific and standardization committees in the area of nanotechnologies, flexible electronics and energy.



### Hans-Otto MAIER

Hans-Otto Maier is Senior Vice President Center of Excellence Automated Infusion Systems. In his more than 30 years career in the medical industry he gained comprehensive experiences not only in the development of medical devices and pharmaceutical products but also in marketing as well as in production. Together with his team he has the goal to strengthen the innovation leadership of B. Braun in the automated infusion technology. One important milestone is target controlled infusion. For this purpose, smart infusion pumps must be supported by sensors for the online measurement of the relevant parameters. The development of such sensor systems is performed in our office in Graz, because at this location, B. Braun cooperates with institutes which have excellent know-how in this field.



### Gerald A. URBAN

He becomes full professor of sensors at the Institute for Microsystems Technology at the Albert Ludwig University Freiburg/Germany. From 1998 to 2001 he was Dean of the faculty of applied science and since 2005 was a member of academic senate, from 2008 - 2010 he was spokesman of academic senate. At present he is member of the directorate of the Freiburg materials research center. He was co-founder of the startup companies OSC in Cleveland and Vienna and of the company Jobst technology and Epainters. He is external member of the Austrian Academy of Sciences and series editor of the SPRINGER series "Bio- and Chemosensors". His main interest focuses on research and development of micro- and nanosensor applications. He has published more than 100 papers and 64 patents and got four awards.



### Annelie-Martina WEINBERG

University of Graz, Orthopedic Department and Mathias-Spital Rheine Germany. Currently director for the Department of Trauma Surgery and Orthopedic Surgery Mathias-Spital Rheine. Research Director of the Laura Bassi Center of Expertise BRIC in Graz. Main focus in research are degradable implants in surgery especially for trauma treatment. Second

focus are special solutions for children and growing mechanisms.

With more than 20 years spend in orthopedic trauma she published books and a high number of international papers in the area of medicine. She is reviewer for several medical papers and companies in her research topic. Her lab is able to analyse every material in any cells and in any animal including all test needed for evaluation in medicine. She is well known in Austria for degradable materials in medicine.



### Charlotte JENNEQUIN

Currently responsible for Strategy and Partnerships at IPDiA. With more than 20 years spent in semiconductors industry, she began her career as ASIC designer within Thomson Military and Space. She has integrated Philips Company, in 1996 as product engineer for the AD/DA converters, before taking the responsibility in 2000 of the management of subsidized projects. She worked for NXP, Paris, France, where she was responsible, among others, for the projects management in relation with European commission and Public Authorities. Within IPDiA since 2009, she drives the development of strong R&D partnerships with research labs and industrial partners to strengthen industrial innovation.



### Thomas PIEBER

Prof. Pieber focuses on basic and clinical research in diabetes and endocrinology, outcome research and the effect of quality management systems, eHealth and health technology assessments. He is author of more than 160 peer review articles and is reviewer for several journals. He is member of the Cochrane Review Group for Endocrine and Metabolic Diseases and was the President of the Annual Meeting of the European Association for the Study of Diabetes in Vienna in 2009. He received several national and international awards including the Somogyi Award 2010 and the Max Kade Fellowship of the Austrian Academy of Sciences.



### Maximilian FLEISCHER

Maximilian Fleischer works as Senior Principal Scientist for sensors and additionally leads the Chemical Sensors research group of Siemens Corporate Technology. His work includes piezoelectric motors, semiconducting metal oxide, high-T electrochemical and work function based gas sensors, tunable laser diode spectroscopy, NIR-spectroscopy for sensing applications, and living cell based sensors. He co-authored 230 scientific publications and more than 170 patent families. He is acting as member of the editorial board of MST, co-chairman of the steering committee of the EUROSENSORS conference, as member of various scientific committees, two Fraunhofer boards of trustees as well as honorary professor for the Budapest University of Technology and Economics.



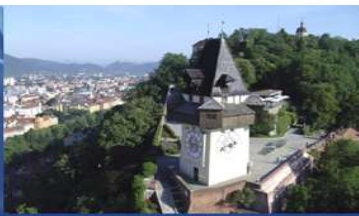
### Christian VAL

He has a Chemistry engineer diploma and PhD on Physics from INSTN/Saclay. He has an IAE (Management...) diploma too. He has worked with Thomson-CSF now THALES during 25 years on different divisions and he has been member of the Scientific Council of Thomson Group. On 1994 he received from ISHM USA the John A. Wagon Jr Technical Achievements Award. On 1996 he launched 3D PLUS and he stays CEO up to now. He has published about 150 international papers. He holds 103 patents.



### Reiner JOHN

He received his diploma degree in Electrical Engineering from the Fachhochschule des Saarlandes (DE) in collaboration with the University of Metz /Perpignan (France). In 1984 he started his career with the Siemens Semiconductor Group in Munich where he worked in the field of automatic test system development. In 1989 he was responsible for the consultation and application of embedded Control development tools in the Siemens Automation Group. After joining the Siemens Corporate R&D in 1991, he was involved in the research on knowledge-based embedded systems within the Fuzzy group. Moving to Regensburg to work for the Siemens Automotive Division three years later, he took on the development of concepts and implementations for a real-time operating system to manage and control the engine and transmission system. In 1996 he joined the Infineon Technologies AG where he served in several management positions in the Quality and Production Department of the company. In year 2000 he further pursued his career in Taiwan where he set up and managed the Infineon Silicon Foundry Taiwan Office as the Head of Department for seven years. At the present, Reiner is in charge of the Infineon Automotive, Industrial and Multi-Market Division for the coordination of public funded R&D projects in the area of energy efficiency and smart power technologies.



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## Daniel WATZENIG

He received his MSc in electrical engineering and his PhD in technical science from Graz University of Technology, Austria, in 2002 and 2006, respectively. In 2009 he received the "veni ad docendi" (habilitation) on electrical measurement and signal processing. He is author or co-author of over 100 peer-reviewed scientific articles, book chapters, conference papers, and patents. He is reviewer of several recognized international journals (IOP, IEEE Transactions,...).

His research interests focus on vehicle electrification, battery technology, Car-2-X, automotive sensor signal processing, statistical inverse problems, and robust estimation methods. He is currently heading the Automotive Electronics and Software Department of the Virtual Vehicle Research Center in Graz.

He is currently Divisional Director of the Automotive Electronics Department at the Virtual Vehicle Research Center located in Graz, Austria.

Since 2009 he is Associate Professor for Electrical Measurement and Signal Processing at Graz University of Technology. Since 2008 he is Senior Member of the IEEE Signal Processing, Vehicular Technology, and Instrumentation & Measurement Society. In addition, he is member of the editorial board of the OVE E&I journal.



## Dr. Günter ENGEL

EPCOS OHG, Electronic Parts and Components, Member Company of TDK-EPC. Currently director for innovation themes within the Corporate Materials Research Dept. (CMRD) of EPCOS OHG.

He began his career 1978 at AVL GmbH in Graz, and switched 1990 to Siemens Matsushita in Deutschlandsberg, which later became EPCOS. From 1992 until 2009 he was heading the Ceramic Multilayer Technology Development Department, and was involved in

development and market launches of piezo actuators, varistors, ceradiodes, thermistors, filters and capacitors. His present main activity is the so-called CeraLink project that aims in providing an advantageous new ceramic technology for capacitors for power electronics.



## Emanuele SCROFANI

STMicroelectronics – Industrial & Multisegment Sector Currently Manager of Package Engineering & Development Department in Catania.

Born in Ragusa (Italy) on 1966 he achieved graduation in the University of Catania (Italy) during 1991 as Doctor in Electronic Engineering. After military service he joined STMicroelectronics (Catania site) during 1993 as Product Engineer of Power MOSFETs transistors. He was resident in Casablanca during 1996 supporting the qualification of TO220, MAX220 and DPAK/IPAK assembly lines in the STMicroelectronics site for Power Transistors. From 1997 to 2007 he worked as Product Engineering Manager inside Low Voltage Power MOSFETs Product Unit.

From 2007 August 1st is managing the Packaging Engineering & Development Department in Catania inside the Industrial & Multi Segment Group of STMicroelectronics, taking care of Advanced, Development and Industrial activities for Power Divisions. His activity is in general centered on all the Packaging solutions of Power Devices with particular focus on Intelligent Power Module and Hi End Power Modules.



## Andreas MIDDENDORF

He works as a scientist in the department Environmental and Reliability Engineering of the Fraunhofer Institute for Reliability and Microintegration (IZM) and in the department Sustainable Technologies of the Technical University Berlin since May 1995. He is responsible for the development and implementation of methods and demonstrators for the estimation of lifetime for electronic appliances. Further on, he

investigates technological aspects which combine the electronics design with environmental engineering techniques. This includes environmental assessments through LCA and through other methods, especially for Eco-Design, the evaluation of recycling attributes, the development of databases and software as well as environmental oriented product evaluation. He carried out courses on EcoDesign for electronic companies, holds three patents and has coordinated several cooperative research projects in Germany and Europe. Since 2010 he is senior manager for the application field automotive and transportation systems and in charge for the Reliability Management and Monitoring Group at IZM. He studied electrical engineering at the Technical Universities of Aachen and Wuppertal where he specialized on information and communication technologies.



## Jean-Christophe ELOY

Founder, president and CEO of YOLE Développement, JC Eloy has created YOLE Développement in 1998 and is managing Yole Développement in term of international development and strategic orientations of the company. He is directly in charge of the Mems activities at Yole Développement

JC Eloy and the 25 analysts of YOLE Développement are working directly

with the key players of the industry from equipment and materials suppliers to device manufacturers and system integrators.

Jean-Christophe Eloy has been 6 years manager of the marketing department of CEA/LETI (France), applied R&D organization involved in the semiconductor, Mems and instrumentation fields (1500 researchers). He then created the semiconductor practice at Ernst & Young in Europe and worked as senior manager in charge of the development of European activities.

He is involved since 1991 in the Mems and semiconductor areas.

JC Eloy is Engineer from INPG/ENSERG (semiconductor and telecommunications) and has a MBA from EM Lyon.



## Mark BEESLEY

Mark Beesley is the Chief Operating Officer for AT&S's Advanced Packaging Business Unit, focussed on the ramp up of the brand new embedded component semiconductor packaging technology, ECP. ECP delivers dramatic benefits in form factor reduction, performance, reliability and ease-of-use.

Mark is a trained Mechanical Engineer, with fifteen years experience in the field of high performance printed circuit production. For the last two years he has led the ramp up of AT&S's innovative embedded component packaging technologies, based in Leoben, Austria.



## Roswitha WIEDENHOFER

Graduation in Geophysics (1992) at Karl Franzens University, Graz; Doctoral studies sub auspiciis presidentis rei publicae (2010) at Technical University Vienna. After a scientific career as applied geophysicist at Joanneum Research (JR), Leoben (1992-1998) she was engaged in strategic research planning assisting the managing directors of JR.

As head of staff unit "Coordination Research & Development" at the University of Applied Sciences (UAS), "FH JOANNEUM" from 2004 onwards she is amongst others also responsible for strategic planning of R&D activities of the UAS and implementation of measures focusing on a tight collaboration with economy. She represents the UAS in several (inter)national working groups in relation with R&D and innovation focusing on the strategic goals and future development of R&D on a regional and national level.

Besides she works as a consultant for industry (in RDI and knowledge management) and assists Austrian Ministries and public institutions in the design and implementation of industry-science innovation programs and coordinative activities on an EU level.



## Thomas KÖHLER

He is Senior Manager, joined VDI/VDE-IT in April 1990. He received his degree in electronics from the Technical University of Dresden. His special subject was the electronics of information processing. From 1979 to 1989 he worked as a Design-Engineer in the field of very large scale integration (VLSI) and in the design and manufacturing of Systems-on-Chip (SoC). His professional experience covers the field of information

and communication technology. As a technical consultant he was involved in RTD projects concerned with applications of hardware systems for applications in the communication and information sector. He was also involved in activities of definition, promotion, management and evaluation of technology projects with a special focus on embedded systems. Since 2004, he coordinates the Innovation Relay Centre network and gained experience in European cross-border technology transfer between SMEs. He is one of the co-founders of EPOSS, the European Technology Platform on Smart Systems Integration.