SEMICON EUROPA OCT 25–27, 2016 GRENOBLE, FRANCE CONNECT

SEA

P. Connock
Chairman
AENEAS, PENTA, Paris, France

memsstar

Biografie
Peter Connock has been working in the semiconductor industry for over 35 years with positions in development, customer service, marketing and management. He has held long-term positions at Edwards, Applied Materials and memsstar in locations around the world. In his latest role, PENTA Director at AENEAS, he is responsible for the development, implementation and management of a new EUREKA cluster – focussed on catalysing activity in the micro and nanoelectronics enabled systems and applications sector in Europe. PENTA will operate for 5 years, and launched its first call in January 2016.

This complements his role at memsstar, Europe's premier semiconductor equipment remanufacturer and services provider. It also serves the global MEMS marketplace, offering etch and deposition expertise, experience, proprietary and remanufactured systems and know-how to deliver innovative products and services for research, commercial R&D and production.

He has further augmented his operational activities by establishing a long-term relationship with industry representative bodies such as SEMI serving on SEMICON, ISS and now the Secondary Equipment committees in Europe for many years. These activities are complemented by his appointment to the nmi Board in the UK – representing the UK microelectronics industry .

Peter also specialises in working with SME's at Board level in strategic marketing and business development.

Challenges Facing the Secondary Market Segment in Europe

P. Connock
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Abstract
The use of fully depreciated equipment is a key cost control tool in the manufacture of MEMS, sensors and “IoT” related devices – indeed any technology that does not require the latest “State-of-the- Art” capability. At the same time, these devices are becoming increasingly

sophisticated, thereby requiring new process technologies and increasingly advanced production techniques.
The recent increase in 200mm demand has resulted in significant increases in 200mm manufacturing capacity – but this has put a strain on the conventional supply chain for secondary equipment. Donor tools are in short supply, and there are increasing instances of the loss of supply of spares and other key components. Skilled engineers with experience in these technologies are also becoming a scarce resource.
The SEA group in Europe seek to highlight these issues and help look for industry solutions to the issues facing SEMI members. The presentation will seek to highlight these issues and suggest potential routes froward for this key industry segment.

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Secondary Equipment from a Semiconductor Manufacturer Point of View

T. Krauth
EMEA Procurement & Supply Chain Manager
Texas Instruments Deutschland GmbH,
Procurement, Freising, Germany

Abstract
Reasons for buying used equipment
Demand at Texas Instruments
Supply environment
Risks to be considered
Lessons learnt

Biografie
Tony Krauth

Procurement Manager at Texas Instruments in Germany since 1997

More Than Moore (MTM): Market Trends and Opportunities

J.C. Cummings
Managing Director
Applied Materials, XXXX, United States

Abstract
The specialty equipment market, or More-Than-Moore market as it is often called, is growing rapidly. There are considerable technical challenges – opportunities – in power/analog devices, CMOS Image Sensors, Micro-machines, and more to support the many growing market segments like Smart Phones, Automotive, and Industrial end markets. Applied Materials remains committed to the success of our customers in these markets. We continue to invest in technology development to enable these technical advances, and we are able to provide new and refurbished equipment for both 200mm and 300mm customers.

Biografie
John has been with Applied Materials for 21 years, performing in roles of increasing responsibility from Sales to Account General Manager to Region General Manager in three field offices before coming to headquarters in Santa Clara, CA. He has spent most of his career working with semiconductor customers and a few years supporting solar customers. In his current role these past 5 years, he is focused on the specialty equipment, or More Than Moore, segment of semiconductor customers.

Before joining Applied Materials, John served as a US Navy officer and aviator for 9 years. His flying experience includes many types of jets, props, helicopters, and gliders with three operational deployments in the P-3C Orion anti-submarine warfare aircraft during the Cold War.

John holds a Bachelor of Science degree in Physics from the Virginia Military Institute and an MBA from the University of West Florida.

Enabling More-than-Moore Devices Manufacturing with leading edge equipment

M. Wimplinger
Corporate Technology Development & IP Director
EV Group (EVG), St. Florian am Inn, Austria

Abstract
The trends expected to drive growth for the semiconductor industry during the next decade are also driving increased importance for manufacturing on 200mm or smaller wafer formats. The sensor solutions required for the Internet of Things (IoT), assisted and autonomous driving cars and industry 4.0, the communication infrastructure required to cope with exponentially growing data traffic and data storage needs as well as the sensors enabling the revolution of healthcare to support aging populations are demanding more as well as more advanced MEMS devices, RF Filters and Photonics chips – to name just a few – all of which are manufactured using 200mm or smaller wafers.
EVG remains committed to supporting our customers in these market segments with reliable and state of the art equipment sets. We continue to invest into further developing and updating our equipment platforms for these markets. In this presentation, we will discuss some of the unique approaches that enable EVG to support a wide range of markets as well as wafer sizes ranging from 2” to 300mm.

Biografie
Markus Wimplinger is the director of EV Group’s (EVG) business unit for technology development and intellectual property. In this role, Markus oversees EV Group’s global process engineering team. Additional responsibilities include the management of R&D partnerships and contracts with third-party organizations such as companies or government-related entities, as well as intellectual property affairs associated with EVG’s process technology development efforts and 3D integration-related projects.

Prior to his current role, Wimplinger held positions within EVG with increasing responsibilities. Most recently, he was director of technology for EV Group North America. He began his career with EVG as a project manager at the company’s headquarters in Austria in 2001 where he was focused on customer-specific projects. Wimplinger’s past work includes involvement in design, development, process technology and many other aspects of capital equipment manufacturing both at EVG and at his former position at a capital equipment supplier for non-semiconductor related industries.

Wimplinger received his educational background in electrical engineering from HTL Braunau, Austria.