SEA Session

P. Connock
Chairman
memsstar Ltd, Livingston, United Kingdom

Biography
Peter Connock has been working in the semiconductor industry for 40 years with a wide range of responsibilities 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 management of the EUREKA cluster PENTA – 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 Board Chairmanship of 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.

The Evolving Landscape of the Secondary Equipment Market & Fab-Supplier Interactions

T. Salmon
VP, Collaborative Technology Platforms
Fab Owners Alliance (FOA), Milpitas, United States

Abstract
This talk will include an overall market view of secondary equipment activities, both in Europe and globally, as well as an update on the Fab Owners Alliance (now part of SEMI) and how companies in Europe can engage.

Biography
As Vice President of Collaborative Technology Platforms, Tom Salmon works with SEMI’s staff to ensure

that members, standards users, and volunteers worldwide receive maximum value from their association with SEMI. Additionally, he manages a number of SEMI's business and technology communities, including the Fab Owners Alliance, SEMI's Smart Manufacturing initiative, the Electronic Materials Group, Advanced Packaging, and Secondary Equipment and Applications groups. Before joining SEMI, he held several management positions in manufacturing, logistics, customer relations, and sales.

Salmon is a member of the Heterogeneous Integration Roadmap Committee, the IEEE and the American Society of Association Executives, and holds a BA from the University of Minnesota and a Level One Proficiency Certificate from Japan's Ministry of Education.

EU Regulatory Framework for Semiconductor Manufacturing

E. Demircan
Sr Manager Advocacy and Public Policy
SEMI Europe, Brussels, Belgium

Abstract
While, digitization provides enormous opportunities to the semiconductor industry in Europe, the cost of research and developing technologies in new fields might be higher than conventional applications. The use of secondary manufacturing equipment in new technologies can be a great source of competitiveness as it is an economically beneficial and environmentally sound strategy to extend the useful life of equipment as long as possible. The presentation will shed light on regulatory challenges facing the semiconductor manufacturing industry, including environmental, trade, data, safety and security issues, with a focus on equipment.

Biography
Emir Demircan, Sr Manager Advocacy and Public Policy at SEMI, is a professional in government affairs. At SEMI, he is responsible for leading EU advocacy initiatives and coordinating relations with the EU. Before joining SEMI, he worked at other advanced manufacturing-related associations in Brussels, the European Commission and Sun Chemical. He has a background in international political economy.

Obsolescence – the greatest challenge facing mature fabs

G. Bignell
Front End Equipment Purchasing Director
STMicroelectronics, Crolles, France

Abstract
Today's successful IOT and automotive fabs are often using equipment manufactured at a time when telephones still had cables connected to them and mails were delivered by a postman.
How do we reconcile the huge gap between technologies of the 1990's/ early 2000's and 2019?
IOT economies of scales demands low cost manufacturing and Automotive demands very stringent quality control.
Many of the parts needed to repair these older tools are become obsolete and no longer available, whereas the engineers trained to work on them represent an aging population who have moved on to other jobs or often retired.

The challenge facing us is to continue using the older tools whilst meeting all the cost and quality targets. We need a smart approach and help from all within the Secondary Equipment arena.

Biography
Gareth Bignell has been responsible for the sourcing of ST's fab equipment, spares and maintenance contracts for all ST sites worldwide as well as maintenance cost reduction programs for the last 10 years. Prior to this, he was the equipment selection program manager for the Crolles2 Alliance where he closely worked with Freescale and NXP on sourcing all of the 300mm tools for this successful multicompany alliance. He started his career as an equipment engineer in Inmos UK before holding various engineering and management roles at ST's Agrate and Crolles sites. Gareth has worked in the semiconductor industry for more than 30 years since graduating from the University of Wales, Newport.