

Global crises and supply chain disruptions: Chipset shortage and impacts on industries

Porsche Experience Center Franciacorta | Hybrid

25 November 2022

Scope: The European manufacturing industry is facing several challenges due to global and unexpected crises, in particular the semiconductor shortage that has been ongoing for the past two years. In fact, the COVID-19 pandemic kickstarted the chip shortage, and its long-reaching effects in more than 170 industries (e.g. automotive). The crisis has led to major price increases, shortages queues and scalping among consumers for automobiles, graphics cards, computers, and other products that require semiconductors.

In the current situation, where each link of the global supply chain continues to be disrupted, novel solutions are needed to mitigate the challenges caused by the semiconductor shortage, thus improving the resilience of the European manufacturing industry. Key aspects include alternative sourcing or production of chips, along with the reduction of the dependence on chips, subject to a global production shortage.

Key topics:

- Improvement of Europe's sovereignty regarding critical resources for manufacturing
- Creation of new production facilities in Europe that address the shortages identified
- Development of a 100% European semiconductor production line
- Semiconductor production based on reuse or remanufacturing of existing components

In the context of the overarching WMF 2022 theme, namely "*Redesigning Supply Chains in the New Era of Manufacturing*" this session will address the issues affecting the semiconductor industry and causing the current chipset shortage, with a view to redesign the corresponding supply chain. Likewise, the implications for other industry (e.g. automotive) will be addressed in order to contribute to the resilience of the manufacturing industry.

AGENDA

25 November 2022	
14:30 – 14:35	Welcome and opening remarks <ul style="list-style-type: none"> Gian Mario Maggio, Managing Director, EIT Manufacturing South
14:35 – 14:50	Keynote talk – the EU Chips Act <ul style="list-style-type: none"> Marco Ceccarelli, Programme Officer Electronics and Photonics Industry, European Commission
14:50 – 15:00	Keynote talk – IPCEI (Important Projects of Common European Interest) on Microelectronics <ul style="list-style-type: none"> Prof. Richard John Hall-Wilton, Director of the Sensors & Devices Centre, Fondazione Bruno Kessler
15:00 – 15:10	Keynote talk – Building chipset manufacturing capacity in Europe <ul style="list-style-type: none"> Riccardo Masucci, Director of Security and Technology Policy, Intel
15:10 – 15:20	Keynote talk – Challenges and solutions in complex global supply chains (TBC) <ul style="list-style-type: none"> Hans Ehm, Head of Supply Chain Innovations, Infineon Technologies
15:20 – 15:30	Keynote talk – Skills shortage for building semiconductor manufacturing capacity <ul style="list-style-type: none"> Paolo Murari, HR Business Partner AMS Product Group, Group Vice President, STMicroelectronics
15:30 – 16:25	Panel Discussion – Resilient supply chains for the European manufacturing industry <ul style="list-style-type: none"> Riccardo Masucci, Director of Security and Technology Policy, Intel Giacinto Carullo, Chief Procurement & Supply Chain Officer, Leonardo S.p.A. Daphne Dernison, Global Public Policy Lead, Philips Federico Menna, Interim Chief Executive Officer, Chief Operations and Finance Officer, EIT Digital

	<ul style="list-style-type: none">• Alessandro Rollé, Automotive Business & Development Unit Director, Eltek S.p.A.• Roberto Saracco, Senior Advisor, Reply and form. Senior Executive of Telecom Italia <p><i>Moderated by Gianluca Grifi, EIT Manufacturing</i></p> <ul style="list-style-type: none">• Potential Q&A
16:25 – 16:30	<p>Closing remarks</p> <ul style="list-style-type: none">• Gian Mario Maggio, Managing Director, EIT Manufacturing South