

Ad-hoc supply chains for medical equipment in the Covid-19 crisis

- Proposal for Special Session at EurOMA 2020 -

- *What are the main goals of this special session? Please focus on practical impacts as well as opportunities for research.*
 - Background: as shortages in medical equipment have been hampering the healthcare sector in Europe and elsewhere, governments have been trying to get access to such supplies. One phenomenon that has appeared is the ad-hoc creation of supply chains to combat these shortages; a phenomenon that has only been observed in wartime before. In this session, we will report on an extensive study we are currently conducting to map and understand such ad-hoc supply chains. Right in the middle of the crisis, we have been and still are interviewing managing directors and supply chain executives of companies that have shifted production to goods like face masks, sanitizers or test kits. In our research design, we will revert to these same interviewees four months from now. Up to today, we have interviewed about 20 companies in different supply chains.
 - Goals of the session
 - Provide an in-depth overview of currently developing ad-hoc supply chains
 - Gauge participants in the session on theories that may be relevant for the positioning. We particularly see this as an interdisciplinary session that is interesting for researchers in supply chain management, operations management, product development, project management, innovation, operations strategy, and marketing/operations interface
- *What are the principal topics that will be covered?*
 - Characteristics of ad-hoc supply chains
 - Role of the government vs role of the market in establishing these supply chains
 - Challenges from a supply chain and product and process development perspective
 - Examples of typical ad-hoc supply chains
- *How will the session offer a high quality and high-level learning experience for the participants?*
 - The session will present a very novel topic with very recent research and empirical insights
 - The presentation will cover 1/3 of the session length
 - 2/3 of the session will be a structured discussion making use of multiple tools
 - Results of the polls in the session will be shared with participants; and everyone will be invited to provide ex-post feedback

- *Please include short biographies of all contributors at the end.*
 - Jasmina Müller is as a PhD candidate at Kuehne Logistics University after graduating with a master's degree in Digital Logistics and Management. In her master thesis, she established a decision-making process for selecting a digital technology aimed at generating the highest success in the digital process transformation. In her PhD, she focuses on the impact of new manufacturing technologies on the supply chain. Jasmina gained practical experience in different fields of supply chain management during internships and working student positions at major companies like Beiersdorf, Dräger, Hamburg Süd, and Daimler.
 - Kai Hoberg is Head of Logistics Department and Professor of Supply Chain and Operations Strategy at Kuehne Logistics University. Before joining KLU he was Assistant Professor of Supply Chain Management at the University of Cologne and a project manager at Booz & Company. Kai's current research topics include supply chain analytics, the role of technology in supply chains, and the strategic link between supply chain, operations and finance. His research findings has been published in journals like Journal of Operations Management, Production and Operations Management or European Journal of Operational Research.
 - Jan C. Fransoo is Professor of Operations Management & Logistics at Kuehne Logistics University in Hamburg, Germany. He also serves as the University's Dean of Research and Member of the Executive Board. He joined KLU in 2018 following a tenure of 22 years at Eindhoven University of Technology in the Netherlands, where he still holds a courtesy professorship in its School of Industrial Engineering. Professor Fransoo's research studies operations, logistics, and supply chain management decision making in the retail, chemical, food, pharmaceutical and transport industries. Fransoo has published over 130 academic journal articles and book chapters in journals such as Management Science, Manufacturing & Service Operations Management, Production and Operations Management, and International Journal of Operations and Production Management.