

DeSIRE tenure track position #9: Resilient Supply Chains

University: Eindhoven University of Technology

Department: Department of Industrial Engineering and Innovation Sciences

Responsible Professor: Prof. Dr. Geert-Jan van Houtum

Expected to open: This position is expected to open around July 2018

Description:

Supply chains face increased threat from disruptions, both natural and man-made. These disruptions are increasing both in frequency and severity, sometimes resulting in catastrophic outcomes. Supply chains need to be fortified to withstand these disruptions and recover from them quickly. This position is aimed at developing cutting-edge research to develop and design these 'resilient supply chains', supply chains that react quickly to disruptions, and recover quickly after disruptions. Development of these resilient supply chains will involve leveraging the latest in technologies, such as the blockchain to facilitate the near-instantaneous transfer of information while simultaneously maintaining the integrity of the information in the supply chain.

The TT candidate should have a background in industrial engineering, operations management or operations research and possess expertise in supply chain disruption management and develop a strong research program centered around developing models and methodologies that facilitate the design of resilient supply chains.

Position in framework of the programme (please delete what is not applicable):

- Approaches/discipline: stochastic and deterministic operations research and management / supply chains
- Scale/application area: global scale / industry scale / block chains

Synergy with other tenure track position(s):

- Modeling and governance for the response to large-scale disruptions (DUT, Technology Policy Management)