

Special sessions

Sustainable Supply Chains and Logistics Networks

6th World Congress on Global Optimization (WCGO 2019)

July 8 - 10, 2019, Metz, France

<https://wcgo2019.event.univ-lorraine.fr/>

Organizers: Dr. Daniel Roy and Dr. Sophie Hennequin (University of Lorraine, France).

Session topics:

Since the publication in 1987 of the Brundland Report¹ defining sustainable development as a “development that meets the needs of the present without compromising the ability of future generations to meet their own needs”, and the global awareness around sustainable development issues, it has become obvious to all (from individuals to states to companies) that we must act at all levels and especially on 3 pillars²: economy, ecology and social. So, companies should develop strategies on each of their activities which allow their economic prosperity, social well-being and environmental stewardship at the same time. From a supply /production / distribution point of view, companies should optimize the management of their business processes by minimizing damage to the environment and society and maximizing their profit throughout activities of the supply chain (i.e. procurement, inventory, warehousing, order fulfillment, transportation, distribution, reverse logistics, disposal logistics and field service) considering all the actors / stakeholders and the network between them (the global logistics network). The resulting models to be optimized are then becoming more complex in terms of variables to be considered, number of objectives to be achieved together and constraints to be respected.

This session aims to allow participants to share their experiences, ideas, methods, models, etc. about these new industrial issues, deeper than precedent ones, involving novel constraints and common objectives but also exciting ways of research on new applications of global optimization and interesting results.

Track topics:

Topics include but are not limited to: sustainable supply chains and logistics networks modeling, optimal sustainable supply chains and logistics networks design, optimal scheduling or planning in sustainable supply chains and logistics networks, sustainable supply chains and logistics networks processes optimization, optimal sustainable supply chains and logistics networks flows design, optimal sustainable supply chains and logistics networks flows control, simulations of sustainable supply chains and logistics networks flows, integration of risks and uncertainties in optimal sustainable supply chains and logistics networks flows.

¹ Brundland Report published by UNO in 1987 <http://www.un-documents.net/our-common-future.pdf>

² Earth Summit of Rio in 1992 http://www.unesco.org/education/pdf/RIO_E.PDF

Submission

For author guidelines, please refer to <https://wcgo2019.event.univ-lorraine.fr/page/submissions>. All papers must be submitted electronically using Springer's guidelines and technical instructions (see <https://www.springer.com/gp/authors-editors/conference-proceedings/conference-proceedings-guidelines>). All papers must be prepared in a one column format in accordance with the LNCS/LNAI manuscript style. The paper's length is limited by 10 pages. Please use the official Springer's guidelines and technical instructions and template to prepare your contribution as full-length draft paper and submit it online by July 31, 2019. Submission details are available on the symposium website. All submissions must be written in English. All papers that conform to submission guidelines will be peer-reviewed by IPC members. The corresponding author submits the paper online (pdf format) as **an invited session paper**. Several international journals are associated with the WCGO 2019 for publication of special issues (Journal of Global Optimization, Optimization Letters, Optimization and Engineering).

Submissions are open at <https://wcgo2019.event.univ-lorraine.fr/page/submissions>
(Select the track “Special Session - Sustainable Supply Chains and Logistics Networks”)

Important dates:

January 31, 2019	Deadline for the submission
February 28, 2019	Notification of acceptance/rejection