

CALL FOR EXTENDED ABSTRACTS

Extended abstracts are now being accepted
Deadline: January 15, 2023

The College Industry Council on Material Handling Education (CICMHE) is pleased to announce the 16th International Material Handling Research Colloquium (IMHRC) taking place **June 20-23**. This year, IMHRC has a coordinated program with the 11th International Scientific Symposium on Logistics (ISSL) taking place **June 19-20**, sponsored by BVL International, so attendees are highly encouraged to participate in both events during June 19-23, 2023, in Dresden, Saxony, Germany.

IMHRC welcomes researchers in academia and industry who are addressing cutting-edge problems that directly support material handling within facilities and at facility interfaces as well as researchers who focus more directly on material handling itself. Examples of relevant topics include but are not limited to design and operation of warehouses, distribution centers, harbors, and trans-shipment centers; technology and automation like AS/RS's, shuttles, AGV's, robotics, and other cyber-physical systems *with applications in material handling*; humans in material handling systems; and the role of facilities in supply chain design. The event is structured to facilitate dialogue and collaboration by providing participants with a program that includes a mix of invited presentations, structured discussions, poster sessions, facility tours, and social events. Additional information on this unique event and CICMHE can be found at: <https://www.mhi.org/cicmhe>.



The city of Dresden, first mentioned in 1206 and located in the economic heartland of eastern Germany, is the capital as well as the cultural and scientific center of Saxony. It is well-known for its historical architecture, world-class orchestras & boys' choir, and art collections. Key industries of the region are microelectronics & ICT, nanotechnology & new materials, and life sciences & biotechnology.

The Technische Universität Dresden, founded in 1828, will be host to IMHRC 2023. The event is sponsored by MHI (www.mhi.com), the largest material handling, logistics and supply chain association in the United States.

SUBMISSION GUIDELINES

Authors are encouraged to submit a paper on recently completed or ongoing research addressing problems that directly support material handling within facilities and at facility interfaces as well as research that focuses more directly on material handling itself. Three types of research that are particularly appropriate for IMHRC are:

- (a) *Systems* that introduce a new material handling logistics system, technology and/or application by presenting a modeling approach, thorough description, and justification.
- (b) *Models* that address an important problem related to a type of facility or system through development and solution of a formal model and computational results.
- (c) *Paradigms* that rigorously introduce a new paradigm or framework for thinking, exploring, designing, representing and modeling facilities, systems or equipment.

In addition, other types of research will be considered if the authors clearly demonstrate creativity and innovation that will contribute to the value of IMHRC.

Submissions

Extended abstracts for IMHRC should be between two to five pages in length and address the scope of the work, the type of research (of the three types identified above), and the expected contribution. Figures and references are encouraged to aid in the reviewers' understanding. Submissions should include name, affiliation, and faculty status of all authors, the extended abstract, and identification of the presenting author. Due to the highly selective nature of IMHRC, the presenting author must hold a full-time faculty appointment or to be an industrial researcher.

Complete submissions should be submitted [here](#) no later than *January 15, 2023*.

Review and Selection

Participation in the colloquium is by invitation only, based on a competitive review process of the extended abstracts by the Scientific Committee. The criteria for paper selection include:

- (a) originality, (b) potential for transfer to industrial practice, (c) alignment with the purpose of IMHRC, and (d) readability and conformance to the guidelines. Following the review of extended abstracts, formal invitations to participate will be sent by **February 1, 2023**.

Conditions and Costs for Participating

Researchers who are selected to attend IMHRC must agree to the following:

- Submit their full papers no later than **April 30, 2023**. Paper length must be between 8-and 20-pages including figures, tables and references.
- Submit a poster synthesizing the paper's contribution by **May 30, 2023**.
- Attend all sessions for the full duration of IMHRC and, if possible, ISSL (note: ISSL will start the evening of June 19 with a welcome reception, with all other activities on June 20).

Costs

On-site costs will be paid by the sponsors (cost of housing, up to five nights, based on single occupancy, organized meal functions, and social gatherings) for all invited researchers registered as the primary presenter. Participation by co-authors must be approved and requires payment of a registration fee. Travel costs to and from the IMHRC hotel will be paid by the attendees. Spouse, guest, co-author registration expenses are paid by the attendees prior to the event (fee schedule provided upon acceptance).

Questions

Contact JoAnna Leon, Managing Director, CICMHE at jleon@mhi.org.