

## ICT with Industry 2023 Physical Workshops

### Workshop Title

16 – 20 January 2023 Lorentz Center@Oort

#### Scientific

##### *Description and aims*

The format of the ICT with Industry event focuses on industrial cases and has three essential elements: it is week-long, team-based and focused on problem solving. All these elements provide a unique opportunity for collaboration between ICT researchers and industrial or public partners. The workshop also provides a convenient and low-risk forum for small and medium-sized enterprises (SMEs) to access academic expertise. External partners must make a (small) financial contribution to participate in the workshop and act as case owners. Cases used by the workshop are submitted following an open call for case studies and are selected based on their quality, scientific relevance and scope. Throughout the workshop week, case studies are worked on in teams of 4-8 researchers. Specially appointed senior researchers serve as academic team leaders who liaise with case owners and guide discussions during the event. The cases to be discussed are included in the open call for participation in the event so that interested researchers can match their expertise and research interests to an appropriate case. Selection and (re)allocation of applicants is also possible with a view to balance the case teams. The results of each team will be presented in a special session on the last day of the workshop and summarized in a report.

##### *Tangible outcome*

To disseminate the results of the ICT with Industry workshop, we have planned the following post-workshop activities:

1. Workshop report. A report summarising the outcome of each of the cases will be published after the workshop and disseminated through IPN.
2. Presentation at ICT.OPEN 2023. As in previous years, a session at the national ICT.OPEN conference is planned where each of the case submitters reports on the outcome of their case, the benefits for the companies involved, and any follow-up activities that have taken place after the workshop was finished.
3. Press releases. The interest of the popular press will be solicited by issuing a press releases before and after the event.
4. Professional publications. A summary of the workshop will be submitted to the professional magazines, such as *Automatiserings gids*, *Informatics*, and *I/O Magazine*.
5. Scientific acknowledgements. If and when the results of the workshop lead to a scientific, peer-reviewed publication, the authors will be asked to acknowledge the role of the ICT with Industry workshop as a catalyst.

Note that there are no explicit plans or requirements for the workshop to directly produce any scientific publications. The argument leading to this decision is that the explicit aim of a scientific, peer-reviewed publication runs counter to the nature of the workshop, which is very much hands-on and may also well involve company IP. Of course, where possible, scientific publications are encouraged; if and when they arise, point 5 above applies.

##### Scientific breakthrough

All groups have at least partly achieved the wanted results. This was evident during the presentation on the final day and the scientific reports by the groups.

All groups will present their results at the ICT.OPEN2023 congress.

##### “Aha” moments

The workshop was as expected. However, there were less participants than we had wished. Next year, we plan to be earlier with the cases and the call for participants.

#### Organization

##### *Format of the workshop*

The workshop was organized as a live on-site event. Participants worked on the cases with the academic

leaders of the teams at the Lorentz Center. The case owners were present at the Lorentz Center on at least the first and last day (presentation of the cases and final presentations). Every morning, the groups gave a plenary update where they presented what they did the previous day and what their plans for day were. After that, the teams worked in their own groups. In the evening, there were social moments where all groups could interact with each other. On Wednesday, there was a social programme, where the participants were at the Museum Boerhaave to see the BrAlnstorm exhibition.

*Other comments*

The participants were in general positive about the workshop. For the next edition, we want to be earlier with the cases to get more participants. Furthermore, the social program should be something that is not connected to the topic of the workshop.

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**Name organizer** Faegheh Hasibi (Nijmegen, NL)

**Name organizer** Katja van Erkel (Den Haag, NL)

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