

Foundations of Trustworthy AI – Integrating Reasoning, Learning and Optimization

TAILOR

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First TAILOR Conference Report

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Document Review		
Reviewer	Partner ID / Acronym	Date of report approval
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Summary of the report

The first TAILOR conference was held digitally September 21-22, 2021. About 100 people participated. It was intended for TAILOR partners with an emphasis on the scientific results of the first year and on networking. The program included an external keynote, a summary of the first year, short presentations of scientific results, networking in virtual poster rooms, presentations of ongoing activities in the non-scientific work packages, and a panel discussing how to best move forward.

About TAILOR Conferences

A yearly TAILOR conference will be organized to collect, integrate and share the scientific results and industrial applications. One of the main purposes of the conference is to update the roadmap by integrating the results from the research themes, other roadmaps and major initiatives, together with the needs from industry into a coherent and compact form guiding further research in the five themes and industry use cases. Furthermore, the TAILOR Conference also constitutes a way for partners to share recent results, being a space for discussion and scientific interaction

Three TAILOR conferences have been planned for the project, with different partners involved:

Conference	When	Responsible partner	Organiser
#1	M12	LiU	ULEI
#2	M24	Inria	CUNI
#3	M36	Inria	UNIROMA

Organisation

The following people have been involved in the Deliverable:

Partner ID / Acronym	Name	Role
#1, LiU	Fredrik Heintz Lena Tasse Trine Vikinge	Responsible for planning and execution
#7, ULEI	Alexa Kodde Koen van der Blom	Providing and managing GatherTown

Execution

Plenary sessions

The plenary sessions of the conference were held on Zoom. Around 100 persons participated both days.

The coordinator Fredrik Heintz made the introductory and final presentations and moderated the discussions. Leaders of scientific WPs had sessions for their topics, and organised spotlight presentations of posters, in which poster authors presented their work. The other WP-leaders presented their topics and actions taken so far.

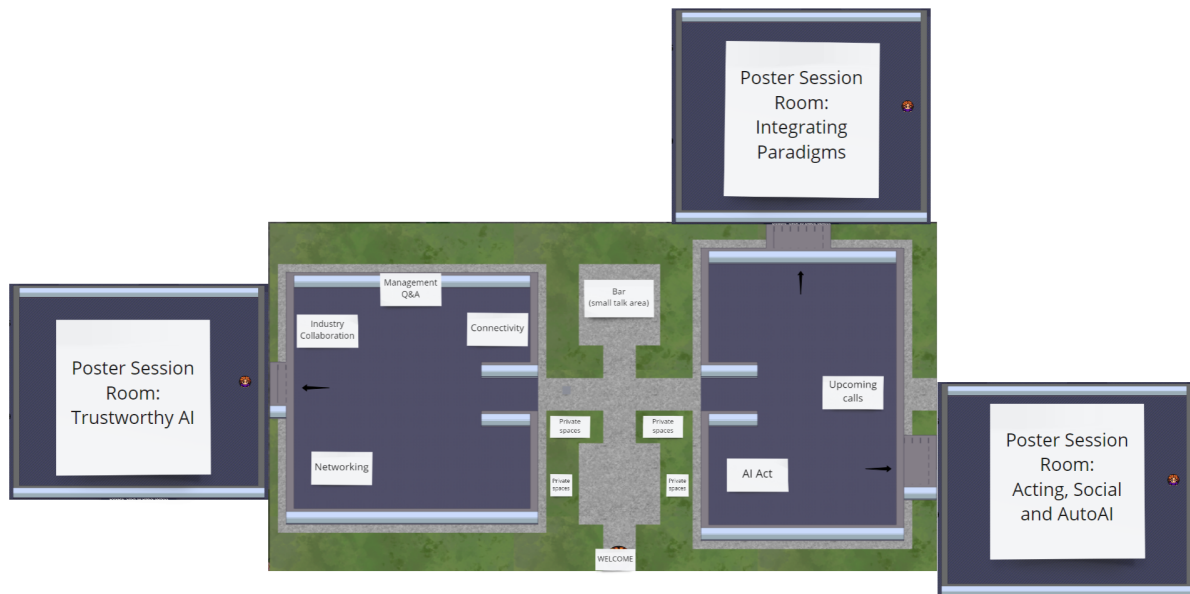
Professor Mireille Hildebrand was the invited keynote speaker and talked about the upcoming **AI Act and Tailored AI Systems**.

Abstract: In this keynote I will discuss the relationship between the 7 key requirements for trustworthy AI of the HLEG on AI and the proposed AI Act. My first point will be that for these requirements to become real we need to turn them into legal obligations with legal effect. I will focus on some of the core legal requirements for high risk AI systems that seem pivotal for TAILOR: the risk management system, the quality management system, data governance, human oversight and accuracy, robustness and cybersecurity. My second point will be that many of these requirements are prime examples of legal protection by design; AI systems should be tailored in ways that combine functionality with practical and effective protection against risks to safety, health and fundamental rights.

Bio: Mireille Hildebrandt is a Research Professor of 'Interfacing Law and Technology' at Vrije Universiteit Brussel (VUB), where she is co-director of the research group on Law Science Technology and Society (LSTS) at the Faculty of Law and Criminology. She also holds a part time Chair on Smart Environments, Data Protection and the Rule of Law at the Science Faculty of Radboud University, at the Institute of Computing and Information Sciences (iCIS). In 2019 she was awarded an ERC AdG on 'Counting as a Human Being in the Era of Computational Law'.

Poster sessions


Poster sessions were held in GatherTown, a platform that enables participants to “walk” around in a location, see image below. The participant can stop by a poster to talk to the presenter or walk around and meet people. It is used in many virtual conferences and is currently considered state-of-the-art. Around 50 people were active there during the sessions.



Around 40 posters were exhibited in GatherTown. Presenters gave spotlight (2 minutes) presentations on zoom before the GatherTown session. Most presenters had lively interactions with the audience in the Gathertown setting, obtaining feedback and participating in scientific discussions.

One important aspect in the setting created was that the scientific work packages shared the virtual environment, allowing for fruitful interactions across different research areas and paradigms.

TAILOR Conference #1 Invitation and Program



TAILOR

Foundation of Trustworthy AI:
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Invitation to First TAILOR Conference

21-22 September 2021

Online

Dear all,

The TAILOR conference in September is the first yearly TAILOR conference. Due to the covid-pandemic, the restrictions as well as the risks associated with it, we have decided to make the 2021 TAILOR conference an internal and fully online event.

Nothing can match the personal interactions that are possible at an on-site event, but we will do our best to provide tools and opportunities for personal interactions, even if they are only digital. Particularly for the coffee breaks and poster sessions, we will try to find suitable digital tools, like Gather.town.

The final conference program is work-in-progress and the schedule below is a draft. However, the invited keynote speaker Mireille Hildebrand has confirmed she will give a talk about the AI Act.

We really look forward to meeting you all, on-line!
 Best regards from Trine,
 on behalf of the organising committee.

TAILOR Conference #1, Program

DRAFT 2021-07-08

Day 1 (Tuesday Sep 21) *All times in CEST*

Document for questions, comments and discussions: (link will be provided)

9.00 - 9.15 Welcome and introduction of conference (Fredrik)

9.15 - 10.15 Slot 1 - TAILOR - What have we done? Where are we going?
 10.15 - 10.30 Q&A

10.30 - 11.00 Break

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11.00 - 12.30 Slot 2 - Scientific results: Trustworthy AI

12.30 - 13.30 Lunch

13.30 - 14.30 Slot 3 - Keynote M. Hildebrandt VUB (may be moved to the morning)

14.30 - 15.00 Panel with the keynote speaker

15.00 - 15.30 Break

15.30 - 17.00 Slot 4 - Scientific results: Integrating Paradigms

17.00 END of DAY 1

Day 2 (Wednesday Sep 22) *All times in CEST*

Document for questions, comments and discussions: (link to be provided)

9.00 - 9.05 Good morning!

9.05 - 10.30 Slot 5 - Scientific results: Acting, Social and AutoAI

10.30 - 11.00 Break

11.00 - 11.30 Roadmap

11.30 - 12.00 Industry Collaboration

12.00 - 12.30 Network collaboration

12.30 - 13.30 Lunch

13.30 - 15.00 Slot 7 - Scientific results: Acting, Social and AutoAI

15.00 - 15.30 Break

15.30 - 16.30 Slot 8 - Panel TAILOR Year 2 - How to take the next step?

16.30 - 17.00 Conclusions

17.00 END of DAY 2

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