

Programm der FiNuT 2025

FiNuT 2025 Programme

1st day / 29.05.2025, Thursday afternoon

No.	Name	Theme	Description of the lecture / workshop	Institution
1	Mrs. Henriette Reker	Opening greeting	Opening Greeting of the Lord Mayor of the City of Cologne	Lord Mayor of the City of Cologne
2	Prof. Barbara LampI	Current challenge in GenAI, from 80% failed projects to gender gaps	80% of GenerativAI (GenAI) projects fail or are never fully realised. Why and how can research approaches help?	Frensius University Cologne
3	Irina Feys	Bridging the Innovation Divide: How Open AI Tools Can Democratize Intellectual Property	Who can innovate and who is left behind? While intellectual contributions are growing globally, access to IP systems remains highly uneven regarding geography, gender, and resources. Drawing on over a decade of experience in enterprise IP solutions, Irina Feys will examine the structural inequities embedded in traditional patent workflows - and how emerging open source AI tools can help level the playing field. The session will introduce PQAI, an open source platform designed to democratize prior art search. Irina Feys will explore its development by a global coalition of engineers, lawyers, and innovation advocates, and highlight how it is already helping inventors from underrepresented communities, especially students, researchers, and startup founders turn early-stage ideas into IP-ready insights.	PQAI
4	PD. Dr. med. H. S. Dafsari	Greeting	Greeting of the University Hospital of Cologne	University Hospital of Cologne
5	Julia Pedersen	Greeting	Greeting of the Equal Opportunities Officer of the City of Cologne	Equal Opportunities Officer of the City of Cologne
	Break	Break	Break	Break

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No.	Name	Theme	Beschreibung des Vortrags / Workshops	Institution
6	Dr.phil. Dipl.-Ing. Afsar Sattari	AI in the focus of feminist science, AI meets the commitment of the „Graduated Migrant and Refugee Women (AKAD FM-FM) to FiNuT 2025	In addition to a brief overview of the most important developments in artificial intelligence in 2024 and 2025, such as technology trends, practical applications, society & ethics, special features, opportunities, risks, gender aspects, autonomous AI agents (AI Agents 2. 0), Composable AI, Human-AI Collaboration, Edge AI & On-Device Intelligence, Sustainable & Green AI, Trustworthy AI, Education & Personal Learning Assistants, AI for Software Development, Cognitive AI or AI in Entertainment & Creativity, we look at why the “Graduated Migrant and Refugee Women (AKADemikerinnen Flucht/Migration Frauen/Mädchen (AKAD FM-FM)) working group chose the topic ‘Artificial Intelligence’ as the focal point of the FiNuT 2025 conference and what can this conference achieve?	The Graduated Migrant and Refugee Women (AKADemikerinnen Flucht/Migration Frauen/Mädchen (AKAD FM-FM))
7	Karin Diegelmann	AI saves the world - AI destroys the world	How can I take good care of myself and deal with the demands of today and tomorrow? We know a lot and yet we know too little. That is why we are working together to gather arguments for expanding our knowledge and sustainable statements that can enable us to position ourselves. The influence of AI is now determining our everyday lives and guiding our thoughts and actions. People who try to refuse, are discriminated. The potential for addiction is high, and the ways in which thoughts and actions are manipulated have become diverse and inscrutable. It's about the debate and the opportunity to get to know many different arguments, influencing factors, possible applications and positions on AI. Together with you, from the beginning of the conference to the end, I would like to design a poster that outlines the many facets of AI, both positive and negative, and ask you to formulate your knowledge, your hopes and confidence, your worries and fears and your questions and attach them to the poster. I would then like to discuss this with you at the end of the conference.	Women in Natural Science and Engineering (NUT e. V.)
8	Organisational group of FiNuT 2025	Organisational matters	Organisational points and necessary information on FiNuT 2025	Graduated Migrant and Refugee Women (AKAD FM-FM)

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second day / 30.05.2025, Friday morning

No.	Name	Theme	Description of the lecture / tour	Institution
1	Tour of the district heating tunnel under the Rhine	Tour	Tour of the RheinEnergie on the district heating tunnel under the Rhine river	RheinEnergie
2	Guided tour and Mrs. Berit Schnaller's lecture	Guided tour of the feminist archive and library + lecture on: Feminist urban planning - yesterday, today, tomorrow	By planning spaces for women, the women discussed in the late 1970s the ecological development, mobility and energy generation, the pioneers of feminist urban planning were far ahead of their time. Due to climate change, their ideas on planning the transport, housing and construction, in a way that it remains a fair issue to both men and women are once again on everyone's lips today. These were also the subject of a major project, organised by the FrauenMediaTurm - feminist archive and library in 2024. After a guided tour of the medieval Bayenturm and its archive centre, the FMT historian, Berit Schallner explains the results.	FrauenMediaTurm

Programm der FiNuT 2025

second day / 30.05.2025, Friday afternoon

No.	Name	Theme	Description of the lecture / workshop	Institution
1	M.A. Paulina Porten	Workshop: "Gender Up Your Tech"	In this workshop, we will take a look at the digital gender gap - the gender-specific inequality in access to and use of digital technologies. Instead of presenting ready-made solutions, we will work together on gender-sensitive approaches for dealing with and addressing the technology sector.	Freelancer
2	Natalie Gottfried	STEM and AI activities of the Cologne City Library	This presentation introduces the educational programmes of the Cologne City Library, that make STEM and AI topics accessible to everyone, including the annual 'Maker Kids' series and the STEM festival MINT Köln. The city library workshops combine STEM content with current and diverse topics such as sustainability, creativity, crafts and music. They also present artificial intelligence in creative and game contexts. At the same time, they encourage discussion of the opportunities and risks of AI, particularly regarding the possible social reproduction of advantages, bias or spreading the misinformation.	City Library of Cologne
3	Dipl.-Inf. Azita Bayat	Artificial Intelligence in Medicine / Opportunities, Risks and Application Areas	In this lecture, the following points on various medical fields will be explained with the help of YouTube videos, such as areas of AI application in medicine in general and especially in Germany, advantages and disadvantages of using AI in medicine, AI in medical education, international perspective of using AI, ethical responsibility & law by using AI, programmes and AI examples as well as the future of AI in medicine.	Graduated Migrant and Refugee Women (AKAD FM-FM)
	Break	Break	Break	Break

Programm der FiNuT 2025

second day / 30.05.2025, Friday afternoon

No.	Name	Theme	Description of the lecture / workshop	Institution
4	Dr. Helene Götschel	Racism in AI and How It Influences Us	Artificial intelligence (AI) reproduces and reinforces racist structures in knowledge and power relations. For example, AI appropriates resources and data from the Global South and systematically marginalises, devalues or deletes the knowledge of racialised people and communities. Funding and regulatory programmes for AI primarily serve the interests of global technology corporations and western industrialised countries (above all the USA), thereby exacerbating global asymmetries. In this Lecture, I would like to take a critical look at AI with you. To do this, we will first look at (structural) racism and also discuss the question of whether racist AI affects all women in the same way, as the title suggests with 'us (women)'. Sensitised by this background knowledge, we will address the criticism of AI, as it is currently being formulated by black women researchers and feminist scientists from the global South.	Europe University Flensburg
5	Dr.-Ing. Daniela Bleh	Sustainable software: How can we make the TECH industry greener	In this lecture, we will take a look at the impact of software development on the environment and examine both innovative solutions and simple measures we can take to make the tech industry more sustainable. We will first look at the methods to measure the carbon footprint of software and then look at different approaches that can significantly improve the sustainability of programmes. The system and software architecture, careful planning and the choice of energy-efficient hardware can significantly reduce the ecological footprint of an entire system. We will also take a look at how artificial intelligence can not only contribute to the promotion of sustainable solutions in industry and everyday life, but also how its own environmental footprint can be evaluated and optimised. Successful examples of this kind will also be introduced.	Entwicklungsingenieurin - dib e. V.
	Break	Break	Break	Break
6	NUT Board and members	General Assembly 2025	Annual general assembly of the Women in Natural Science and Engineering (NUT e. V.)	Women in Natural Science and Engineering (NUT e. V.)

Programm der FiNuT 2025

third day / 31.05.2025, Saturday morning

No.	Name	Theme	Description of the lecture / workshop	Institution
1	Claudia Leibrock	Can organic farming feed the world?	Agriculture today places major pressures on biodiversity, soil, water and the atmosphere, and these pressures will worsen if current trends in population growth, meat and energy consumption and food waste continue. Therefore, agricultural systems that are both highly productive and minimise environmental damage are urgently needed. How organic farming can contribute to global food production has been the subject of heated debate in recent years. In 2014, a study was published that answered this question in the affirmative. The results of this study are based on a robust analysis of a larger metadata set and suggest that adequate investment in agroecological research to improve organic farming systems could significantly reduce or eliminate the yield gap for some crops or regions. In 2021, Urs Niggli, an accomplished researcher in organic farming, answered this question in the negative. ‘For one thing, the percentage of organic farming worldwide is currently only 1.5 per cent. This is because organic farming is expensive, restrictive and subject to strict certification.’ Which assessment is correct? Where does the debate stand today? What distinguishes agroecological methods from organic farming? These are the questions I want to address in this lecture.	Women in Natural Science and Engineering (NUT e. V.)
2	Assoc. Prof. Dr. Dalia Satkovskiene	Gender Equality in Physics and Systemic Problems in Science	The presentation will discuss the precarious situation of early career researchers (ERC) in physics from the gender equality perspective. Physics has been chosen because its research provides the background for all natural sciences and is very important for human well-being. The main challenges ECR faced by female early career researchers in physics on their scientific career path will also be presented in different subfields of physics, including particle physics, and based on different sources, showing similarities and differences between different fields of science. The fact that ECR are the future scientific potential will also be taken in account. We will also discuss why the physics will likely be unable to attract the brightest minds to this field by continuing the current path. The results of Cost Action „Making young researcher’s voices for gender equality (Voices) be heard“, will also be presented, showing the systemic problems of science and the ways how to improve them.	Vilnius University, BASNET Forumas, BoA EPWS, Lithuania
	Break	Break	Break	Break

Programm der FiNuT 2025

third day / 31.05.2025, Saturday morning

No.	Name	Theme	Description of the lecture / workshop	Institution
3	Prof. Dr. Barbara Schwarze	Gender Aspects Belong in the Digitalisation Strategies of the Future	Participatory technology development and design require an analysis of the opportunities for participation. To what extent are gender aspects included in educational requirements, economic participation, work or conditions depending on age in research and development? An increasingly digital society requires framework conditions that enable access, utilisation and competence in dealing with new technologies. Will specific social groups be increasingly left behind, or will we succeed in making them resilient to the new developments and taking them with us into the transformation?	Competence Center Technology-Diversity-Equal Opportunities e. V. (Kompetenzz)
4	M.Sc. Dipl.-Ing. Sahar Baghayeri	The Intersection of Artificial Intelligence and Artistic Expression: Opportunities, Tools and Implications	This lecture is both a technical overview and a personal reflection on creativity in the age of AI. Participants will gain insights into the promising tools and explore the philosophical and practical implications of co-creation with machines	Graduated Migrant and Refugee Women (AKAD FM-FM)

third day / 31.05.2025, Saturday afternoon

No.	Name	Theme	Description of the lecture / workshop	Institution
1	Diplom-Betriebswirtin Murielle Guéguen	Artificial Intelligence in the Context of Violence Against Women: Potential for Prevention, Risks of Amplification and Ethical Issues	Artificial intelligence (AI) has the potential to play a key role by combating the violence against women and by supporting both preventative measures and supporting mechanisms. However, the use of AI also harbours risks. A central problem is the possibility that AI systems could reinforce existing prejudices and discrimination. If the training data of AI models is not diverse and inclusive, women, especially those from marginalised groups, may receive less attention or be incorrectly assessed.	Women's Council North Rhine-Westphalia, University of Bielefeld

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third day / 31.05.2025, Saturday afternoon

No.	Name	Theme	Description of the lecture / workshop	Institution
2	Dipl.-Inf. Azita Bayat	DeepSeek - the Future of AI Models, Description of the Architecture and Comparison with Alternative Catboots, Especially GPT	The following points will be presented in this lecture: A brief overview of DeepSeek as a Chinese open-source AI model, presentation of different DeepSeek models, their technologies and functionalities, architecture of DeepSeek models, technical specifications, data resources, use cases, future of DeepSeek and also comparison with other catboots especially with GPT.	Graduated Migrant and Refugee Women (AKAD FM-FM)
	Break	Break	Break	Break
3	Margarete Maurer	The Thinker: Rosa Luxemburg and Nature/Science	This lecture we will introduce the following topics: the significance of the natural sciences for Rosa Luxemburg's thoughts and work, analyses and positions on her thinking on 1: nature, natural sciences and politics, 2: economy, society and social transformation, 3: thinking, life practice and the art of living. This is based on her probably early love of all living things.	Freelancer, writer and researcher
4	Karin Diegelmann	Hannelore in Luck (based on the fairy tale 'Hans in Luck')	This workshop is about recognising burdens, letting go, throwing off ballast and discovering the small joys and goals in life. In the fairy tale, Hans was given a lump of gold by his master and set off home to his mother. But this lump became a burden to him and so he traded it in. Only when he was free of all material things he did realise, what he needed to be happy. 'There is no one under the sun as happy as I am,' he exclaimed. With a light heart and free of all burdens, Hans in Luck now jumped up and ran until he reached home. In small exercises, we scrutinise where we are at the moment, look at our sources of courage, energy guzzlers and burdens and formulate the next steps we want to take and the rewards for doing so.	Women in Natural Science and Engineering (NUT e. V.)

third day / 31.05.2025, Saturday evening

No.	Name	Theme	Description	Institution
1	Party	Entertainment / Dance / Singing / Music	Persian dance 'Miracle of Love', performed by Mrs Maleka Banoo Memarzadeh / performance of the singer Mrs Chioma Igwe / Music / Snacks	Artists and AKAD FM-FM

fourth day / 31.05.2025, Sunday morning

No.	Name	Theme	Description of the lecture / workshop	Institution
1	The Graduated Migrant and Refugee Women (AKADemikerinnen Flucht/Migration Frauen/Mädchen (AKAD FM-FM))	Presenting the working group Graduated Migrant and Refugee Women (AKADemikerinnen Flucht/Migration Frauen/Mädchen (AKAD FM-FM))	The goals of the working group Graduated Migrant and Refugee Women (AKADemikerinnen Flucht/Migration Frauen/Mädchen (AKAD FM-FM)) are to improve the opportunities of female migrants and refugee academics in general and in particular in the areas of education, professional integration and advice on the recognition of qualifications as well as the migration aspect of sustainable environmental education. Providing them with targeted information, familiarising them with the rules of the German education and working world as well as the environmental protection and ensuring their support and appropriate qualification and motivating them to make their skills available to the German labour market are the further point, that AKAD FMFM tries to achieve.	Graduated Migrant and Refugee Women (AKAD FM-FM)
2	Karin Diegelmann	AI saves the world - AI destroys the world	On the first day we talked about how we can take good care of ourselves and deal with the demands of today and tomorrow? We tried together in these days to gather arguments for expanding our knowledge and sustainable statements that can enable us to position ourselves, as the influence of AI is now determining our everyday lives and guiding our thoughts and actions and the ways in which thoughts and actions are manipulated have become diverse and inscrutable. Every one of us found many different arguments, influencing factors, possible applications and positions on AI in this conference. We together designed a poster that outlines the many facets of AI, both positive and negative, and tried to formulate our knowledge, our hopes and confidence, our worries and fears and our questions and attached them to the poster. Now it is the time to give a summary of all these facets.	Women in Natural Science and Engineering (NUT e. V.)
	Break	Break	Break	Break
3	FiNuT Participants	Closing Plenary	Closing plenary of the FiNuT conference	FiNuT 2025 Conference
4	Dr. Afsar Sattari	Acknowledgements	Thanksgiving to the organising team of FiNuT 2025 and the activists of the Graduated Migrant and Refugee Women (AKAD FM-FM) as well as to all the helping hands in the process of organising this conference.	Graduated Migrant and Refugee Women (AKAD FM-FM)

FiNuT 2025 Programme

1st day / 29.05.2025, Thursday afternoon

No.	Name	Time	Place	Form
1	Frau Henriette Reker	14:00 – 14:10	Room No. 1	Speech / Video
2	Prof. Barbara LampI	14:12 – 14:45	Room No. 1	Keynote speech
3	Irina Feys	14:48 – 15:20	Room No. 1	Online lecture in English
4	PD. Dr. med. H. S. Dafsari	15:23 – 15:28	Room No. 1	Speech / Online
5	Julia Pedersen	15:30 – 15:35	Room No. 1	Speech / Video
	Break	15:35 – 16:00	Break	Break

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1st day / 29.05.2025, Thursday afternoon

No.	Name	Time	Place	Form
6	Dr.phil. Dipl.-Ing. Afsar Sattari	16:00-16:30	Room No. 1	Lecture
7	Karin Diegelmann	16:33-17:05	Room No. 1	Workshop
8	FiNuT-OrgaGruppe	17:07 – 17:50	Room No. 1	Lecture

Programm der FiNuT 2025

second day / 30.05.2025, Friday morning

No.	Name	Time	Place	Form
1	Besichtigung vom Fernwärmehaus unter dem Rhein	10:00 – 12:00	Entrance: Cologne Deutz, on the Rhine promenade near the Kennedy-Ufer/Charles-de-Gaulle-Platz intersection, directly behind the Hohenzollern Bridge down the Rhine.	Guided Tour
2	Führung + Vortrag von Berit Schnaller	10:00 – 13:00	Am Bayenturm 2 - 50678 Köln	Guided tour and lecture

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second day / 30.05.2025, Friday afternoon

No.	Name	Time	Place	Form
1	M.Sc. Paulina Porten	14:00 – 15:30	Room No. 1	Workshop
2	Natalie Gottfried	14:00 – 15:30	Room No. 2	Lecture
3	Dipl.-Inf. Azita Bayat	14:00 – 15:30	Room No. 3	Lecture
	Break	15:30 – 15:45	Break	Break

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second day / 30.05.2025, Friday afternoon

No.	Name	Time	Place	Form
4	Dr. Helene Götschel	15:45 – 17:15	Room No. 1	Lecture
5	Dr.-Ing. Daniela Bleh	15:45 – 17:15	Room No. 2	Vortrag
	Break	17:15 – 17:30	Break	Break
6	NUT Board and members	17:30 – 19:00	Room No. 1	Plenum

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third day / 31.05.2025, Saturday morning

No.	Name	Time	Place	Form
1	Claudia Leibrock	09:00 – 10:30	Room No. 1	Lecture
2	Assoc. Prof. Dr. Dalia Satkovskiene	09:00 – 10:30	Room No. 2	Lecture in English
	Break	10:30 – 10:45	Break	Break

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third day / 31.05.2025, Saturday morning

No.	Name	Time	Place	Form
3	Prof. Dr. Barbara Schwarze	10:45 – 12:15	Room No. 1	Online Lecture
4	M.Sc. Dipl.-Ing. Sahar Baghayeri	10:45 – 12:15	Room No. 2	Lecture

third day / 31.05.2025, Saturday afternoon

No.	Name	Time	Place	Form
1	Diplom-Betriebswirtin Murielle Guéguen	14:00 – 15:30	Room No. 1	Lecture

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No.	Name	Time	Place	Form
2	Dipl.-Inf. Azita Bayat	14:00 – 15:30	Room No. 2	Lecture
	Break	15:30 – 15:45	Break	Break
3	Margarete Maurer	15:45 – 17:15	Room No. 1	Lecture
4	Karin Diegelmann	15:45 – 17:15	Room No. 2	Workshop

third day / 31.05.2025, Saturday evening

No.	Name	Time	Place	Form
1	Party	19:00 – 23:00	Party Room	Party

fourth day / 31.05.2025, Sunday morning

No.	Name	Time	Place	Form
1	The Graduated Migrant and Refugee Women (AKADemikerinnen Flucht/Migration Frauen/Mädchen (AKAD FM-FM))	09:00 – 10:00	Room No. 1	Lecture
2	Karin Diegelmann	10:00 – 11:30	Room No. 1	Workshop
	Break	11:30 – 11:45	Break	Break
3	Closing Plenary	11:45 – 13:15	Room No. 1	Lecture
4	Dr. Afsar Sattari	13:15 – 14:00	Room No. 1	Plenum