

PROGRAM GUIDE

Saturday, September 18, 2021

# Shape Your World

Darmstadt, Germany



**TED<sup>x</sup>**

**TUDarmstadt**

x=independently organized TED event

# Agenda

## Shape Your World

Darmstadt, Germany | Saturday, September 18, 2021

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### **| 13:30 – Arrival of Onsite Guests**

### **| 14:30 – First Block of Speakers**

- Dr. Markus Hammer, Learning & Development Leader and Operations Expert
- Prof. Dr. Alexander Kock, Professor for Project & Innovation Management
- Noemi, Meditation Break
- Omar El Manfalouty, Civil Sea Rescue
- Ji-Hae Park, Violinist (Speech + Act)

### **| 16:40 – 20 Minute Break**

### **| 17:00 – Second Block of Speakers**

- Patrick Scholl, Medical Entrepreneur
- Dr. Sandra Arndt, Leadership Expert
- Laura Winterling, Astronaut Coach

### **| 18:00 – End of the Event**

# Speaker

## Dr. Markus Hammer

Learning & Development Leader and Operations Expert

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*How defining your core beliefs can help you shape your world.*



**Dr. Markus Hammer** leads the global Operations Learning team at McKinsey & Company. He has been advising clients on resource-productive operations and capability building since 2004 and has been active in learning factories for the last 15 years. He started his career in 2000 at Procter & Gamble in Germany.

He studied process engineering at Graz University of Technology and later earned his doctorate there at the Institute for Innovation and Industrial Management. He is the author of several books and articles and a university lecturer at Graz University of Technology. He is happily married, father of two sons and lives in Austria.

**In his TEDx talk**, Dr. Markus Hammer will share his personal journey and his set of core beliefs for resource productive operations, learning & development, and personal life.

# Speaker

## Prof. Dr. Alexander Kock

Professor for Project & Innovation Management

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*Implementing Innovation through  
Triple-A Portfolio Management.*

**Prof. Dr. Alexander Kock** researches and teaches at the Technical University of Darmstadt in the fields of innovation and project management. His research focuses on the management of project portfolios, the design of organizational innovation systems and the management of university-industry collaborations.

**In his TEDx Talk,** Prof. Dr. Alexander Kock will share how companies can improve their innovation success, even when the future is uncertain.

Act

Noemi

Meditation



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# Speaker

## Omar El Manfalouty

Civil Sea Rescue

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*I hope that people will become aware of areas where their previously acquired skills can be used in a similar way to directly improve the lives of others.*



Professionally, **Omar El Manfalouty** has been a research assistant at the Historical Seminar of Goethe University Frankfurt since 2019 and is pursuing a dissertation project on the role of political freedom for Jewish and Christian groups under Roman rule. As a sideline, he is a professional pilot and flight instructor in Egelsbach near Frankfurt. Since 2018, he has been volunteering as a pilot and foundation board member for the Swiss Humanitarian Pilots Initiative (HPI).

**In his TEDx talk**, Omar El Manfalouty wants to show how improvisation and voluntary engagement of many different people can help to tackle problems directly, using the example of their humanitarian mission in the central Mediterranean Sea. This direct intervention does not replace a long-term solution, but it already turns the situation around for the better in the meantime.

# Speaker & Act

## Ji-Hae Park

Violinist

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*With my TEDx performance on September 18, 2021, in Darmstadt, I would like to show you how I recreate classical music through the usage of AI technology.*



**Ji-Hae Park** plays her beloved violin for a living. It is her pure passion and joy, but if you ask her why she lives, she will say that the reason of her life is to spread positive messages by playing not only her violin, but her whole life. She enjoys exploring everything she can through music. Maybe that's why she is so crazy about AI technology right now.

**At the TEDx event** 'Shape your world' in Darmstadt, she would like to talk about her time as a musician during the COVID-19 pandemic. Normally, traveling to concerts or conferences means that she is always working and practicing. At the beginning of the pandemic, it was hard for her not to be able to pursue her profession, but on the other hand it was the only time when she could rest and improve herself. In that time, she was able to recreate classical music by integrating AI technology.

# Speaker

## Patrick Scholl

Medical Entrepreneur

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*How engineering can solve everyday problems of people with Parkinson's disease.*



**Patrick Scholl** is a former student from the Technical University Darmstadt, biomechanics engineer and CEO of the start-up novapace. Mondays to Fridays he works in a company in the field of electrical impedance tomography, on weekends he develops innovative gait aids for Parkinson's patients.

**In his TEDx Talk**, he will talk about what drives him, what experiences he has had so far, and what he wishes he had known a few years ago. In this way, he would like to give students a valuable insight into the med-tech industry as well as entrepreneurship.

# Speaker

## Dr. Sandra Arndt

Leadership Expert

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*Can every leader change? Yes, they can! If they commit to the journey, there is a tool that will accelerate a deeper level of self-awareness and allow true transformation.*



**Dr. Sandra Arndt** is an executive coach and leadership expert. She works with organizations and their leaders on topics like authenticity, compassion and balance. A medical doctor by training, she has spent the past 20+ years in management consulting as well as talent and leadership development, combining a strong international business background with a profound insight into the human experience.

**In her TEDxTalk**, Dr. Sandra Arndt will make the case for N.I.N.E.-Leaders – or actually any person becoming a better human being, and hence, also a better leader. Beyond postulating the desired features of a N.I.N.E.-Leader, she will also share a deeper understanding of the human nature, introducing a tool to accelerate the work to achieve uncompromising self-awareness and move to radical acceptance and appreciation of who you are, explore who you can be, and make a deliberate choice who you want to become – in your pursuit to continued “evolution” on a human level.

# Speaker

## Laura Winterling

Astronaut Coach

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*The universe teaches us humility, just like the nature but we are often too blind, busy or comfortable to notice.*



**Laura Winterling** is a physicist, former astronaut trainer, helicopter pilot and paramedic, she loves to challenge herself, in sports, further education, or just while thinking, fascinated by people who manage to break away from others in order to go their own way and those who stand and fight for something. She believes that finding, seeing, admitting one's place in the universe would help making the world a better place. She likes the power and energy that radiates when 'we' work together, when we help others, shake hands, form a rescue alley on the highway, cry together in front of the TV while watching bad news in the world, or even just watching the European Championship partying with strangers on the street. We are good when we are good!

**In her TEDx Talk**, Winterling will demonstrate what astronauts and helicopters taught her about inner attitude and success. She will provide tools with which you can find your own way. This talk is designed to inspire, make you laugh and be amazed, and at the crucial moment maybe also help you to 'just do it after all'.

# Moderators

## Annika Christensen & Irina Rath

TU Darmstadt Students

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**Annika** attended her first TEDx event in Denver in 2014 and has been a fan ever since. Music shapes her world: She loves to sing and make music with others, and she also enjoys going on hikes and exploring new places. Annika is a Master student of business information systems and logistics at TU Darmstadt. She aspires to apply her knowledge to solve complex logistical problems and to benefit more people and our environment.



**Annika Christensen**



**Irina Rath**

For **Irina**, shaping the world starts with a spark of curiosity. She loves to immerse herself in new languages, cultures, books, music and scientific inquiries. As a computer science student, she enjoys exploring the connection between the theoretical and the empirical to maximize positive impact through deliberate actions. TEDxTUDarmstadt brings her joy and helps her reach out to more people.

# About TED

## What is TED?

TED is a nonprofit organization devoted to spreading ideas, usually in the form of short, powerful talks ( 18 minutes or less). TED began in 1984 as a conference where Technology, Entertainment and Design converged, and today covers almost all topics – from science to business to global issues – in more than 100 languages. Meanwhile, independently run TEDx events help share ideas in communities around the world.

## About TED<sup>x</sup>, x = independently organized event

In the spirit of ideas worth spreading, TEDx is a program of local, self-organized events that bring people together to share a TED-like experience. At a TEDx event, TED Talks video and live speakers combine to spark deep discussion and connection. These local, self-organized events are branded TEDx, where x = independently organized TED event. The TED Conference provides general guidance for the TEDx program, but individual TEDx events are self-organized. (Subject to certain rules and regulations.)

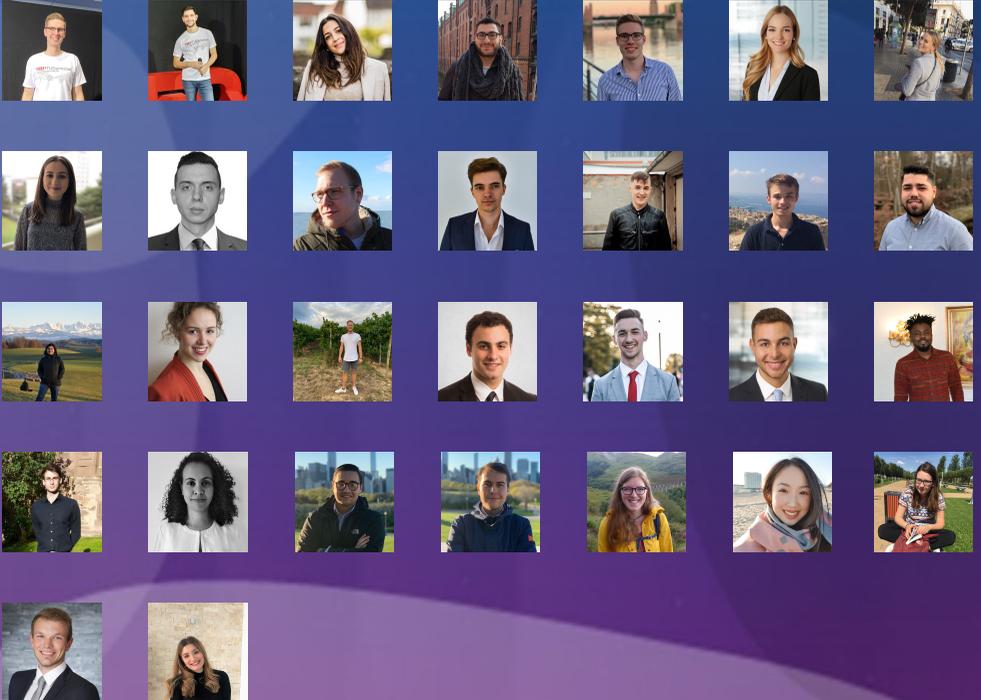
## What is TEDxTUDarmstadt?

TEDxTUDarmstadt is an event by inspired people for inspired people. Our yearly organized event takes place in Darmstadt and, for one evening, brings together fascinating personalities, who passionately talk about a topic, in which they have gathered unique experiences. The essence of the evening is to share truly inspiring ideas and thereby improve the world just a little bit, step by step. There are no limits to our range of topics, from new technology and environmental protection to other relevant fields of society.



Thank you to all the TEDxTUDarmstadt colleagues who have contributed towards making TEDxTUDarmstadt 2021 happen!

## TEDxTUDarmstadt Team



For more information on TEDxTUDarmstadt and on our speakers visit us digitally at our website or on Social Media:



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