

*Learn*  
**STEM**

**The Online Conference  
on 29th April 2020**

**Programme**



# Programme of the Learn STEM Online Conference on 29th of April 2020

The Conference "Learn STEM: Innovative pedagogy for STEM education" is taking place online now: On **Wednesday, 29th of April 2020**, the European initiative **Learn STEM** invites you to the online event **from 16:00 to 19:00 CEST**. All school teachers, headmasters and researchers are most welcome to join the online discussion. During the three hours, experts from **Learn STEM**, scientific research as well as school practice will present and discuss how to improve school education in Science, Technology, Engineering and Mathematics (STEM).

The programme of the **Learn STEM** Online Conference starts at:

**16:00 CEST (Brussels/Rome) = 15:00 WEST (London/Lisbon) = 17:00 EEST (Vilnius/Athens)**

It begins with a keynote session and ends at 19:00 CEST = 18:00 WEST = 20:00 EEST.

22 international speakers have kindly accepted our invitation to share and discuss their experiences and ideas. They will hold and debate their presentations in these blocks:

<b>16:00 – 16:20</b>	<b>Learn STEM Online Conference: Official launch</b>
<b>16:20 – 16:50</b>	<b>Keynote session: International invited speakers</b>
<b>16:50 – 17:50</b>	<b>Learn STEM: European experiences and instruments</b>
<b>17:50 – 18:20</b>	<b>Examples of STEM education from different countries: Innovative approaches</b>
<b>18:20 – 19:00</b>	<b>Examples of STEM education from different countries: Holistic approaches</b>

For all details, see the full programme on the following pages.

## How to join?

To join the Learn STEM Online Conference, you only need internet connectivity and loudspeakers (or headphones) and you can optionally activate your microphone and/or camera to participate in the live discussion. Alternatively, you can also ask your questions and provide your feedback via the live chat. The online meeting room will open at 15:30 CEST to allow you testing your connectivity, equipment and settings.

Join the Online Conference by registering yourself online first (for free):

<http://www.learn-stem.org/learn-stem-conference>

Afterwards you will automatically receive the link for the Online Conference.

And here the full programme of the Learn STEM Online Conference 2020 in details:

<b>Learn STEM Online Conference: Official launch</b>		
16:00 – 16:10	Christian M. Stracke, Open University of the Netherlands (Learn STEM)	Official launch and introduction
16:10 – 16:20	Jolise Volp, National Agency Erasmus+ (NL)	Welcome address
<b>Keynote session: International invited speakers</b>		
16:20 – 16:30	Torunn Gjelsvik, International Council for Open and Distance Education (ICDE)	#learningtogether – the new ICDE initiative
16:30 – 16:40	Agueda Gras-Velazquez, EUNSchoolnet (Scientix)	Integrated STEM in a Ferris Wheel
16:40 – 16:50	Ton de Jong, University of Twente (Go-Lab)	Inquiry learning for STEM, the Go-Lab approach
<b>Learn STEM: European experiences and instruments</b>		
16:50 – 17:00	Christian M. Stracke, Open University of the Netherlands (Learn STEM)	The Learn STEM Pedagogical Model for innovative STEM education, its free tools and practical applications
17:00 – 17:10	Alma Rimkevičė, Kaunas Simonas Daukantas Progymnasium (KSDP)	Innovative (Learn) STEM education in Lithuania: Experiences from implementations
17:10 – 17:20	Jan Fasen, Agora Schools Foundation	Innovative (Learn) STEM education in the Netherlands: Innovation in Education and Leadership
17:20 – 17:30	Rui Baltazar and António Barreiros, Group of Schools Emidio Navarro (AEEN), Alcino Pascoal, Madan Parque	Innovative (Learn) STEM education in Portugal: Challenges for schools and for companies in COVID-19 times
17:30 – 17:40	Giulia Capasso and Mario Spatafora, Effebi Association	Innovative (Learn) STEM education in Italy: Augmented Reality as a tool to teach STE(A)M subjects
17:40 – 17:50	Fred Lisdat, Technical University of Applied Sciences Wildau	Innovative (Learn) STEM education in Germany: Improving STEM education in school - a Natural Science perspective



17:50 – 18:20	<b>Examples of STEM education from different countries: Innovative approaches</b>	
17:50 – 18:00	Nuno Mantas, Agrupamento Escolas da Boa Água, Portugal	Changing the Black Box
18:00 – 18:10	Sandrine Kranepuhl, Gesamtschule Treuenbrietzen, Germany	Examples of innovative STEM learning
18:10 – 18:20	Anita Wesolowski, Technical University of Applied Sciences Wildau (with Elke Gutsch, Grit Schmidt-Lorenz and Ulrike Veik)	Innovative (Learn) STEM education in Germany: Role Model Examples of Innovative STEM Learning in German Schools
18:20 – 19:00	<b>Examples of STEM education from different countries: Holistic approaches</b>	
18:20 – 18:30	João Baracho, CDI Portugal	Our future Digital Decision Makers
18:30 – 18:40	Guido van Dijk, Agora Schools	STEM education in a Learner Centered Education Agile Learning environment
18:40 – 18:50	Imma Miralles, ANCCP	Social Inclusion in school
18:50 – 19:00	Christian M. Stracke, Open University of the Netherlands (Learn STEM)	Wrap up and future outlook

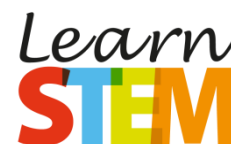
We hope that the diverse perspectives and topics are offering you new insights and experiences from many European countries and school practices!

And we are looking forward to your participation and our discussion!

Enjoy!

The Learn STEM Consortium  
[www.Learn-STEM.org](http://www.Learn-STEM.org)

## About Learn STEM, the European Alliance for Innovative STEM learning in schools:



We need innovative and better school education in Science, Technology, Engineering and Mathematics (STEM) as key sectors for our future life, work and society. The European Alliance **Learn STEM** focuses their interrelation and integration in cross-disciplinary and reflective STEM education and pedagogical methodologies. Main goal of **Learn STEM** is to improve the quality and efficiency of STEM learning in secondary schools. Consequently, **Learn STEM** is increasing the pupils' interest in STEM and building STEM competences. Therefore, **Learn STEM** designs and provides pedagogical methods and tools for secondary schools to explore and solve real life questions. Thus, **Learn STEM** supports and contributes to the key objective of the European Education and Training 2020 Strategy (ET 2020) that fewer than 15% of 15-year-olds should be under-skilled in reading, mathematics and science.

Moreover, the **Learn STEM** project also addresses the need to enhance knowledge of and about science as a precondition to prepare Europe's population to be actively engaged, responsible citizens as well as conversant with the complex challenges facing society. In the PISA study 2015, most students expressed a broad interest in science topics and recognised the important role that science plays in their world; but only a minority reported their participation in science activities. In addition, teachers still declare they need more professional development linked to tailoring, diversifying, and innovating teaching practices. Thus, **Learn STEM** is strengthening secondary schools' capacity to develop skills in subjects such as science, technology, engineering and mathematics through innovative and interactive pedagogical methods and approaches. Therefore, **Learn STEM** designs and provides practical instruments and online tools for secondary schools and their teachers and pupils to explore and solve real life questions.

Under the leadership of the coordinator Dr. Christian M. Stracke from the Open University of the Netherlands, **Learn STEM** brings together nine Partners from six European countries. They are collaborating for innovative STEM education and have developed the [Learn STEM Pedagogical Model](#), the [Inquiry learning package](#), a [teacher training programme](#) and an [online course](#). These instruments are tested, evaluated and continuously improved in close cooperation with hundreds of STEM experts and school teachers. All **Learn STEM** results and achievements are openly and freely available on the **Learn STEM** website online:

<http://www.Learn-STEM.org>

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