

## Editorial



**Eng. A. Al-Mogbel**  
**ITACET Founder**  
**President**

Since its creation in 2009 under the impetus of its founder president Abdullah Al-Mogbel, the ITACET Foundation has endeavoured to develop moments of exchange and opportunities for knowledge sharing. An increasing number of countries are faced with development, transportation or living environment challenges that require underground solutions. These solutions are often complex and it is important that clients, administrations and engineers know how to master them.

After 13 years and more than 95 training sessions organised in 29 countries and almost 10,000 professionals benefiting from them, the Foundation can be proud of its achievements. The personal involvement of the founder president, the members of its Council and the executive director Claude Bérenguer in setting up the means of operation has been one of the keys to success. Another key is the good and close collaboration with the ITA, in particular with its ITA-CET Committee and the personal involvement of many of its experts who gave very high-level courses.



**Michel Deffayet**  
**ITACET Foundation**  
**President**

At the beginning of 2023, Michel Deffayet succeeds Abdullah Al-Mogbel as President, while Martin Herrenknecht and Félix Amberg are respectively Vice-President and Treasurer. The objective is to continue the efforts made and to develop more and more training courses, making use of the new online training opportunities to reach even more students and professionals. We are encouraged by the success of the lunchtime sessions, which are held on the second Tuesday of each month. The expectations are very high and there are many training topics, from the use of underground space to very technical aspects of design, with more and more requests to explain and focus on sustainability issues.

Many thanks to all those who contribute to this great and motivating ambition!

## The Lunchtime Lecture Series



**WANT TO KNOW MORE ABOUT  
TUNNELLING & UNDERGROUND  
SPACE?**

### JOIN US FOR OUR FREE LUNCHTIME LECTURE SERIES!

The ITACET Foundation, ITA-CET Committee and ITA have developed a series of online lectures available on the 2nd Tuesday of every month.

We welcome expert lecturers on selected topics with the aim of keeping all those in the field abreast of new ideas, technologies and key issues. Our goal is to make education and training on tunnelling and underground space accessible to everyone and we believe that online training can provide the broadest outreach. Each session lasts around 90 minutes and begins at 13:00 CET time. It is composed of a keynote presentation by an ITA lecturer, followed by case studies and dedicated time for questions and answers.

Registration for the sessions is free of charge, but required. Registration details for each monthly session can be found on the ITACET Foundation website. For those in different time zones who may not be able to watch 'live', you can register for the event and receive a link to stream the recording. This link will be valid for 24 hours after being sent.

<https://www.itacet.org/lunchtime-series/forthcoming>

Contact us:

[info@itacet.org](mailto:info@itacet.org)

[www.itacet.org](http://www.itacet.org)



The Lunchtime Lecture Series has now been underway since February 2021 and has so far been very successful, with an average of 400 participants for each event!

We aim to give access to free online courses to as many people as possible. Our goal is to spread information to young engineers and students around the world.

We're counting on you to pass on this information!

# Training session reports

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## LUNCHTIME LECTURE SERIES # 17

Date: 12/07/2022

Location: Build sustainable Precast Segment Lining with Fibre Reinforced Concrete



This instalment of the Lunchtime Lecture series focused on 'Build sustainable Precast Segment Lining with Fibre Reinforced Concrete'.

[Read more...](#)

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## SUSTAINABILITY IN UNDERGROUND DESIGN - PRACTICAL IMPLEMENTATIONS

Date: 02/09/2022 to 03/09/2022

Location: Copenhagen, Denmark



The course was held over two days on 2nd-3rd September and focused on 'Sustainability in underground design and its practical implementations.'...

[Read more...](#)

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## LUNCHTIME LECTURE SERIES # 18

Date: 13/09/2022

Location: Tunnels and Earthquakes



This instalment of the Lunchtime Lecture series focused on 'Tunnels and Earthquakes' and was organised in collaboration with Mr Carlos A. Jaramillo and Dr. Youssef Hashash...

[Read more...](#)

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## CONVENTIONAL AND MECHANIZED TUNNELLING IN SOIL AND ROCK

Date: 26/09/2022 to 30/09/2022

Location: Mexico, Online



On the 26th, 28th and 30th September, over half-days, a training session on 'Conventional and mechanized tunnelling in soil and rock' was co-organised with Mexican Association of tunnel and underground space engineers....

[Read more...](#)

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## LUNCHTIME LECTURE SERIES # 19

Date: 11/10/2022

Location: Risks related to new energy carriers in tunnels



This instalment of the Lunchtime Lecture series focused on 'Risks related to new energy carriers in tunnels.'

This episode featured three lectures:

[Read more...](#)

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## DESIGN AND CONSTRUCTION OF ROAD TUNNELS

Date: 18/10/2022 to 25/10/2022

Location: Dubai Online



This training session was held online and run over 4 half-day sessions. The objective of this course was to highlight fundamental & advanced aspects of the planning, design and construction of urban road tunnels

[Read more...](#)

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## UNDERGROUND SPACES UNVEILED – PLANNING AND CREATING THE CITIES OF THE FUTURE

Date: 27/10/2022

Location: Argentina, online training session



The ITACET Foundation and the Argentinian Association of Tunnels and Underground Space (AATES) organized the online training session during the annual "Tunnel and Underground Works Workshop"...

[Read more...](#)

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## LUNCHTIME LECTURE SERIES #20

Date: 08/11/2022

Location: H&S during design



This instalment of the Lunchtime lecture series focused on ' H&S during design'. The episode featured one lecture:

[Read more...](#)

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## LUNCHTIME LECTURE SERIES #21

Date: 13/12/2022

Location: Carbone neutral underground



This instalment of the Lunchtime Lecture series focused on 'Carbon-neutral underground'. The episode featured three lectures...

[Read more...](#)

## LUNCHTIME LECTURE SERIES #22

Date: 10/01/2023

Location: Sustainability issues - The future of underground



This instalment of the Lunchtime Lecture series focused on "Sustainability issues - The future of underground". The episode featured three lectures:

[Read more...](#)

**Thank you to all those lecturers who presented on behalf of ITACET**

**Online Lunchtime Lecture series - #17 - Build sustainable Precast Segment Lining with Fibre Reinforced Concrete:**  
Veyra Nasri, J. Day, J. L. Bischoff

**Training session – Sustainability-underground-design-practical-implementations:**

A. Thomas, T. Grondal, J. Haltbakk, S. Toller, H. Admiraal, A. Cornaro, P. Rajala, M. Zurita, L. Van der Tann, H. de Wit, P. van Westendorp, A. Shaw, B. Fulcher, T. Babendererde, K. Wachter, B. de Rivaz, J. Baber

Online Training session – Advances design and construction tunnels, Pune, India

M. Deffayet, E. Chiriotti, P. Grasso, C. Paraskevopoulou, D. Jordan, K. Bappler, V E. Gall, E. Grov, N. Berthoz, M. Wongkaew, S. Eskesen, M. Macary, X. Monin, D. Lamont, K. Rabensteiner

**Online Lunchtime Lecture series - #18 - Tunnels and Earthquakes**

Y. Hashash, C. A. Jaramillo

**Online Training session – Conventional and mechanized tunnelling soil and rock:**

F. Amberg, N. Berthoz, E. Grov, G. Seingre, M. Schivre, R. Galler, M. Villeneuve, F. Renault de Vinci, D. Lamont

**Online Lunchtime Lecture series - #19 - Risks related to new energy carriers in tunnels:**

A. Mos, J. Gehandler, P. Sturm

**Online Training Session – Design and construction of road tunnels:**

P. Grasso, C. Larive, E. Chiriotti, D. Lamont, A. Dix

**Online Training Session – Underground spaces unveiled – planning and creating the cities of the future:**

H. Admiraal, A. Cornaro

**Online Lunchtime Lecture series - #20 - H&S during design:**

D. Lamont, W. Burger

**Online Lunchtime Lecture series - #21 - Carbon-neutral underground:**

N. Bobylev, J. Kaneshiro, K. Westerlund

**Online Lunchtime Lecture series - #22 - Sustainability issues - The future of underground:**

Arnold Dix, Tarcisio Celestino, Antonia Cornaro

## Forthcoming sessions

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### LUNCHTIME LECTURE SERIES #23

Date: 14/02/2023

Location: From procurement to execution of a contract, 3 spotlights

This instalment of the Lunchtime Lecture series will focus on **"From procurement to execution of a contract, 3 spotlights"**.

The episode will feature three lectures and finish with a Q&A session with all speakers:

**Procurement strategy: Quality and price based selection - Pravin Karki**

**Tender preparation: Lessons learnt and changes in the ITA Contractual Framework Checklist from 2011 to 2021 - Gonçalo Diniz Vieira**

**Execution of the contract: How to deal with unforeseeable physical conditions - Matthias Neuenchwander**

[Read more...](#)

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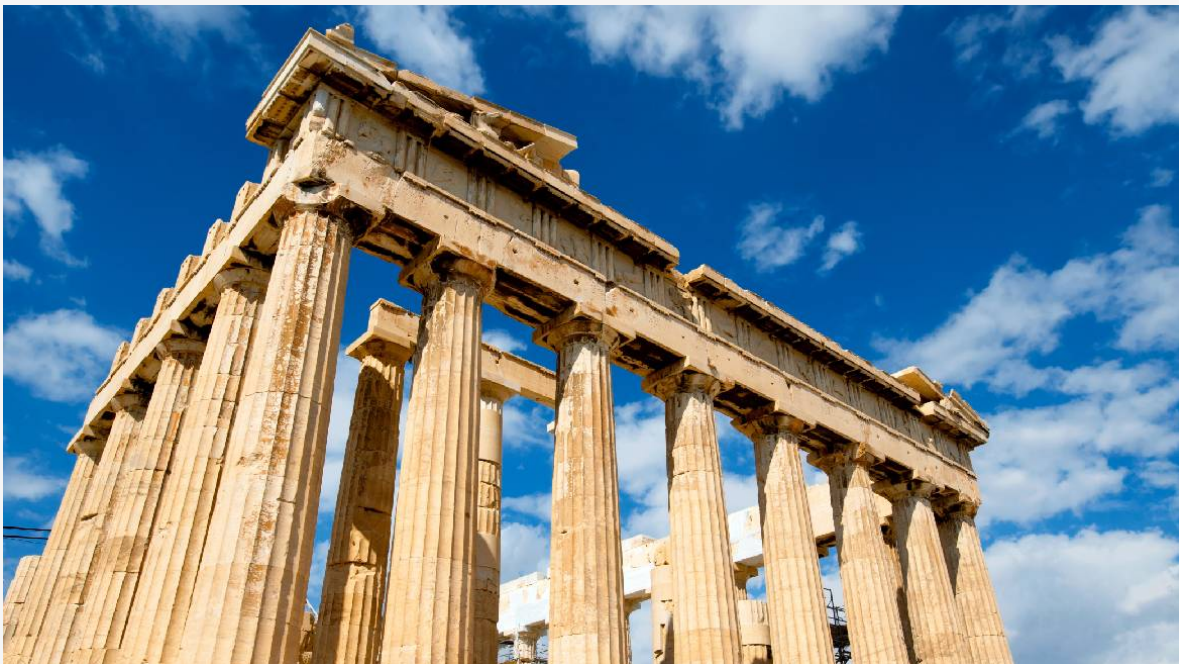
## Other events in preparation

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**The following training programmes are under preparation:**

**Greece, WTC 2023 in Athens!**

This year's course will be held over two days on 12th and 13th May 2023 and will focus on 'Risk management and sustainable underground solutions'.



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## Saudi Arabia

The course will be held over three half-days in March 2023 and will focus on 'Planning, construction and operation of common Utility corridors'.

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## Scholarships

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**ITACET Foundation gave last year the sponsorship to one student accepted into ITA-endorsed Postgraduate Master Course AETOS in Spain.**

**We wish you a lot of success Camilo Jose Sanchez Avellaneda!**

*"Being a scholarship recipient has been an outstanding experience because it allowed me to learn from tunnel experts. The master's program I joined has a unique curriculum. I firmly believe that the ITACET approved post-graduate master's courses are excellent for academic training, and I can see that the educational and training centers interests are always looking for better and safer practices in underground infrastructure."*

*Camilo Jose Sanchez Avellaneda*



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