

The 18<sup>th</sup> IEEE International Conference on Advanced Learning Technologies - ICALT2018

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## CALL FOR PAPERS

# The 18<sup>th</sup> IEEE International Conference on Advanced Learning Technologies ICALT2018



IIT Bombay, Mumbai, India

**July 9-13, 2018**

<http://www.ieee-icalt.org>

**Deadline: ~~January 20, 2018~~ January 31, 2018**

ICALT is an annual international conference on Advanced Learning Technologies and Technology-enhanced Learning organized by the IEEE Computer Society and the IEEE Technical Committee on Learning Technology. After its kick-off as IWALT in Palmerston North, New Zealand (2000), ICALT has been held in Madison, USA (2001), Kazan, Russia (2002), Athens, Greece (2003), Joensuu, Finland (2004), Kaohsiung, Taiwan (2005), Kerkade, The Netherlands (2006), Niigata, Japan (2007), Santander, Spain (2008), Riga, Latvia (2009), Sousse, Tunisia (2010), Athens, Georgia, USA (2011), Rome, Italy (2012), Beijing, China (2013), Athens, Greece (2014), Hualien, Taiwan (2015), Austin, Texas, USA (2016) and Timisoara, Romania (2017).

The 18th IEEE International Conference on Advanced Learning Technologies (ICALT2018) will be organized at the Indian Institute of Technology Bombay (IIT Bombay), Mumbai, India. IIT Bombay was set up in 1958 as the second in the chain of IITs, in post-Independence India. Since then, IIT Bombay has grown to emerge as one of the top technical universities in the world. ICALT 2018 will be hosted by the Inter-Disciplinary Program in Educational Technology (IDP-ET) [www.et.iitb.ac.in](http://www.et.iitb.ac.in), set up in 2010 as an academic unit in IIT Bombay. The IDP-ET offers a PhD program. The focus of the IDP-ET is research, teaching and development projects to engineer research-based solutions that work under local conditions.

### ICALT2018 KEYNOTE SPEAKERS

Dejian Liu, President and CEO of NetDragon Websoft, China

**More to be added soon...**

### IMPORTANT DATES

~~January 20, 2018~~ **January 31, 2018**: Submissions of papers (Full paper, Short paper, Poster)

**March 15, 2018**: Authors' Notification on the review process results

**May 2, 2018**: Authors' Registration Deadline

**May 2, 2018**: Final Camera-Ready Manuscript and IEEE Copyright Form submission

**May 16, 2018**: Early Bird Registration

**July 9-13, 2018**: ICALT2018 Conference

## SUBMISSIONS

We invite submission of papers reporting original academic or industrial research in the area of on *Advanced Learning Technologies* and *Technology-enhanced Learning*. There are fourteen tracks in ICALT 2018:-

- Track 1. Technologies for Open Learning and Education (i-OPENLearn)
- Track 2. Adaptive and Personalized Technology-Enhanced Learning (APTel)
- Track 3. Wireless, Mobile, Pervasive and Ubiquitous Technologies for Learning (WMUTE)
- Track 4. Digital Game and Intelligent Toy Enhanced Learning (DIGITEL)
- Track 5. Computer Supported Collaborative Learning (CSCL)
- Track 6. Big Data in Education and Learning Analytics (BDELA)
- Track 7. Technology-Enhanced Science, Technology, Engineering and Math Education (TeSTEM)
- Track 8. Technology Enhanced Language Learning (TELL)
- Track 9. Technology Enabled Learning of Thinking Skills (TELoTS)
- Track 10. Technology Supported Education for People with Disabilities (TeDISABLE)
- Track 11. Artificial Intelligence and Smart Learning Environments (AISLE)
- Track 12. Augmented Reality and Virtual Worlds in Education and Training (ARVWET)
- Track 13. Motivational and Affective Aspects in Technology-enhanced Learning (MA-TEL)
- Track 14. Applications of Semantic Web technologies for Learning (SW-EL)

All papers will be double-blindly peer-reviewed. Complete papers are required to be reviewed. The expected types of submissions include:

The anticipated types of submissions for all tracks are:

- **Full paper:** 5 pages
- **Short paper:** 3 pages
- **Posters:** 2 pages

Please submit your manuscript using the EasyChair Conference System at: [\*\*https://easychair.org/conferences/?conf=icalt2018\*\*](https://easychair.org/conferences/?conf=icalt2018).

If you have any problems with the above web submission form, you can contact ICALT 2018 Office at: [icalt2018@gmail.com](mailto:icalt2018@gmail.com) (Subject: ICALT2018 Submission Enquiry) and the Chairs will contact you for further assistance.

## CONFERENCE ORGANIZATION

Hosted by  
Indian Institute of Technology Bombay, India

Organized by  
The IEEE Computer Society  
The IEEE Technical Committee on Learning Technology

Conference Proceedings are published by  
The IEEE Computer Society Conference Publishing Services

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Supported by

- Indian Institute of Technology Bombay, India
- Centre for Development of Advanced Computing, India

## CONTACT INFORMATION

General Inquiries: [icalt2018@gmail.com](mailto:icalt2018@gmail.com)

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**Track 1. Technologies for Open Learning and Education (i-OPENLearn@ICALT2018)**

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Carmen Holotescu, Ioan Slavici University of Timisoara, Romania  
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Vincent Wai-Leuk Tam, University of Hong Kong, Hong Kong, China  
Jon Dron, Athabasca University, Canada

**Track 2. Adaptive and Personalized Technology-Enhanced Learning (APTel@ICALT2018)**

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Yacine Atif, University of Skovde, Sweden  
Sabine Graf, Athabasca University, Canada  
Sharon I-Han Hsiao, Arizona State University, USA  
Kyparisia Papanikolaou, School of Pedagogical and Technological Education, Greece

**Track 3. Wireless, Mobile, Pervasive and Ubiquitous Technologies for Learning (WMUTE@ICALT2018)**

Ulrike Lucke, University of Potsdam, Germany [**Co-ordinator**]  
Gwo-Jen Hwang, National Taiwan University of Science and Technology, Taiwan  
Eric Klopfer, Massachusetts Institute of Technology, USA  
Marcelo Milrad, Linnaeus University, Sweden  
Hiroaki Ogata, Kyoto University, Japan  
Marcus Specht, Open University, The Netherlands

**Track 4. Digital Game and Intelligent Toy Enhanced Learning (DIGITEL@ICALT2018)**

Maiga Chang, Athabasca University, Canada [**Co-ordinator**]  
Baltasar Fernández-Manjón, Complutense University of Madrid, Spain  
Ju-Ling Shih, National University of Tainan, Taiwan  
Seng Yue Wong, University of Malaya, Malaysia

**Track 5. Computer Supported Collaborative Learning (CSCL@ICALT2018)**

Andreas Harrer, University of Applied Sciences Dortmund, Germany [**Co-ordinator**]  
Andreas Lingnau, Humboldt Universität zu Berlin, Germany  
Lanqin Zheng, Beijing Normal University, China  
Stavros Demetriadis, Aristotle University of Thessaloniki, Greece  
Yannis Dimitriadis, University of Valladolid, Spain

**Track 6. Big Data in Education and Learning Analytics (BDELA@ICALT2018)**

Vive Kumar, Athabasca University, Canada [Co-ordinator]

Demetrios Sampson, University of Piraeus, Greece, and Curtin University, Australia

Dirk Ifenthaler, University of Mannheim, Germany and Curtin University, Australia

Xiao Hu, The University of Hong Kong, Hong Kong

Abelardo Pardo, University of Sydney, Australia

**Track 7. Technology-Enhanced Science, Technology, Engineering and Math Education (TeSTEM@ICALT2018)**

Rita Kuo, New Mexico Institute of Mining and Technology, US [Co-ordinator]

Maggie M. Wang, The University of Hong Kong, Hong Kong

Margus Pedastre, University of Tartu, Estonia

**Track 8. Technology Enhanced Language Learning (TELL@ICALT2018)**

Yu-Ju Lan, National Taiwan Normal University, Taiwan [Co-ordinator]

Meei-Ling Liaw, National Taichung University of Education, Taiwan

Pei-Lin Liu, National Chiayi University, Taiwan

Katrin Saks, University of Tartu, Estonia

Wen Yun, Nanyang Technological University, Singapore

**Track 9. Technology Enabled Learning of Thinking Skills (TELoTS@ICALT2018)**

Sridhar Iyer, Indian Institute of Technology Bombay, India [Co-ordinator]

Chandan Dasgupta, Indian Institute of Technology Bombay, India [Co-ordinator]

Ramkumar Rajendran, Vanderbilt University, USA

Amali Weerasinghe, University of Adelaide, Australia

**Track 10. Technology Supported Education for People with Disabilities (TeDISABLE@ICALT2018)**

Charalampos Karagiannidis, University of Thessaly, Greece [Co-ordinator]

Fahriye Altinay, Near East University, Cyprus

Silvia Baldiris, Universidad Internacional de la Rioja (UNIR) (Spain)

Jemni Mohamed, University of Tunis, Tunisia

**Track 11. Artificial Intelligence and Smart Learning Environments (AISLE@ICALT2018)**

Kinshuk, University of North Texas, USA [Co-ordinator]

Nian-Shing Chen, National Sun Yat-sen University, Taiwan

Ronghuai Huang, Beijing Normal University, China

Wu-Yuin Hwang, National Central University, Taiwan

Alke Martens, University of Rostock, Germany

**Track 12. Augmented Reality and Virtual Worlds in Education and Training (VWET@ICALT2018)**

Tassos A. Mikropoulos, University of Ioannina, Greece [Co-coordinator]

Christian Gütl, Graz University of Technology, Austria

Morris S. Y. Jong, The Chinese University of Hong Kong, Hong Kong

**Track 13. Motivational and Affective Aspects in Technology-enhanced Learning (MA-TEL@ICALT2018)**

Charles Hodges, Georgia Southern University, USA [coordinator]

Alicia Johnson, Virginia Tech, USA

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Lin Lin, University of North Texas, USA

Brenda Cecilia Padilla Rodríguez, Autonomous University of Nuevo Leon, Mexico

## **Track 14. Applications of Semantic Web technologies for Learning (SW-EL@ICALT2018)**

Francesco Orciuoli, University of Salerno, Italy **[Co-ordinator]**

Fernando Bobillo, Universidad de Zaragoza, Spain

Ig Bittencourt, Universidade Federal de Alagoas (UFAL), Brazil

Marek Reformat, University of Alberta, Canada

Giuseppe Fenza, University of Salerno, Italy

Sergio Miranda, University of Salerno, Italy

Carlos Bobed, University of Rennes, CNRS, IRISA, France

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Michail N. Giannakos, Norwegian University of Science and Technology, Norway **[Co-ordinator]**

Elvira Popescu, University of Craiova, Romania **[Co-ordinator]**

Chandan Dasgupta, IIT Bombay, India

Rustam Shadiev, Nanjing Normal University, China