

If you did not receive the invitation for a desired talk, please send us a note to: distinguishedlecturer@gmail.com.

Time table for DL/DS talks

Name	Topic	Date
---SEPTEMBER 2021---		
Assoc. Prof. Dr. Supavadee Aramvith	AI based Video Analytics	September 1, 2021 at 9pm ICT
Register> https://ieeemeetings.webex.com/ieeemeetings/onstage/g.php?MTID=ed2e79993fab497544bbebc0f2d93c708		
Rafael Sotelo	Quantum Computing: What, Why, Who	6 Sept. 2021 @ 2pm UTC-3
Register> https://ieeemeetings.webex.com/ieeemeetings/onstage/g.php?MTID=ec37f07cd94469a7b00a20ef451dd2536		
Professor Saifur Rahman	Energy Efficiency in Smart Buildings through IoT Sensor Integration	September 17, 2021 @ 9am EDT
Register> https://ieeemeetings.webex.com/ieeemeetings/onstage/g.php?MTID=e6e0a51d9faaf94d09f6116432469bf0e		
DrBrij B. Gupta	Defense Mechanisms against Various Attacks in Different Computing Platforms	September 19, 2021 @ Noon IST
Register> https://ieeemeetings.webex.com/ieeemeetings/onstage/g.php?MTID=e117f84e68865342cffbd3e78feb277e2		
Dr. Fumitaka Ono	History of Image Related Business in Office and Home	September 22, 2021 @ 6PM JST
Register> https://ieeemeetings.webex.com/ieeemeetings/onstage/g.php?MTID=e71e8f9e0b923364613b67e655099b51f		
OCTOBER 2021		
Bill Orner	Technologies for Electronics Size Reduction	October 1, 2021 @ 8am PST
Prof. Wen-Huang Cheng	Intelligent Retail Meets Computer Vision	October 11, 2021 @ 3 PM CEST
Dr. Fumitaka Ono	History of Still Image Coding	October 27, 2021 @ 3 PM CEST
Prof. Wen-Huang Cheng	Towards Facial Behavior Understanding for Smarter Consumer Technology	November 4, 2021 @ 3 PM CET
Dr. Fumitaka Ono	Arithmetic coding : The essence and its design parameters	November 25, 2021 @ 3 PM CET
Rafael Sotelo	Quality of Experience: Subjective and objective video quality assessment	December 6, 2021 @ 3 PM CET

Time table for Webinars

Our members of Technical Committees (TC) share their knowledge with our community. You can become a member of TC of your choice. Click on the link of the CT of interest and fill in the form. Hope to see your name on the list soon. Meanwhile enjoy expert talks of current members.

Name	Topic	Abstract	Date
Chia-Mu Yu	Attacks against Transfer Learning and their Countermeasures	Transfer learning is a powerful approach that allows users to quickly build accurate deep-learning models by "learning" from centralized models pre-trained with large datasets. However, the centralization of model training increases their vulnerability to misclassification attacks leveraging the knowledge of publicly accessible pre-trained models. This talk will have a brief overview of the techniques that allow attackers to launch attacks, such as misclassification and brute force. We will also describe the candidate mitigations to the attacks.	Aug 26, 2021 @ 10:00 pm (GMT+8)
Danilo PAU	Tools and methodologies for better productivity leveraging AI community driven interoperability	Is artificial intelligence a technological fad or a singularity? Why is resource-constrained AI and therefore tiny machine learning important? A better awareness on the technology can be gained by reviewing the milestones of AI and learning more about the benefits of resource-constrained machine learning to overcome the limitations of a centralized approach. To address the challenges and	August 6, 2021, 9:30am CET

opportunities in designing neural networks for micro controllers, he will describe a 5-steps methodology applied to a case study by using a set of tools to automatically deploy pre-trained neural networks on IoT (STM32) and Automotive (SPC58) microcontrollers. A set of exemplary applications can be derived as useful starting point for AI practitioners. New perspectives are being opened toward the automation of neural network design and to achieve low power implementations.

Enjoy the recording of Danilo's talk here><https://www.youtube.com/watch?v=yfPHLxlluvE>