

3D PRINTING APPLICATIONS IN THE CONSTRUCTION SECTOR

26 APRIL 2024 - FRIDAY, 09:40 to 17:05

MIDDLE EAST TECHNICAL UNIVERSITY

CIVIL ENGINEERING K-1 BUILDING - DR2 AMPHI

Registration Link



9:40 - 10:00	REGISTRATION & REFRESHMENTS
10:00 - 10:10	Chair's Welcome, Assoc. Prof. Cagla Meral AKGÜL (METU)
10:10 - 10:20	Opening Remarks, Department Chair, Prof. Dr. Erdem CANBAY (METU)
	<i>Session 1 - Chair: Prof. Dr. İsmail Özgür YAMAN</i>
10:20 - 10:50	Prof. Dr. Mustafa ŞAHMARAN (Hacettepe University), Mehmet Özkan EKİNCİ(Limak Çimento A.Ş.) "Modular 3D printing of a single-story prototype structure"
10:50 - 11:20	Prof.Dr. Tuğrul YAZAR (Bilgi University), Assist. Prof. Büşra AKTÜRK (Bilgi University), Assist. Prof. Didem OKTAY (Yıldız Technical University) "Sodyum karbonatla aktive edilmiş cüruf esaslı malzemelerin yazdırılabilirliği"
11:20 - 11:35	BREAK & REFRESHMENTS
	<i>Session 2 - Chair: Assoc. Dr. Çağlar YALÇINKAYA</i>
11:35 - 12:05	Dr. Sepehr SEYEDİAN (METU) , Erman TUNÇER MSc. (METU), Serhat ZEYTUN (ISTON A.Ş.) "Spatial variation of physical, mechanical, and thermophysical properties of 3D printed concrete across a full-scale wall"
12:05 - 12:35	Çağatay Alp ARSLAN (BAŞTAŞ Çimento A.Ş.) "3D Printed Sustainable Constructions"
12:35 - 13:40	LUNCH & WORKSHOP PHOTO
	<i>Session 3 - Chair: Prof. Dr. Sinan Turhan ERDOĞAN</i>
13:40 - 14:10	Assoc. Prof. Zeynep BAŞARAN BUNDUR (Ozyegin University) "A concrete problem in climate change"
14:10 - 14:40	Assoc. Prof. Çağlar YALÇINKAYA (Dokuz Eylül University) "3B beton yazdırma üzerine laboratuvar tecrübeleri ve yakın gelecek öngörülerini"
14:40 - 15:55	BREAK & REFRESHMENTS
	<i>Session 4 - Chair: Assoc. Dr. Zeynep Başaran BUNDUR</i>
15:55 - 16:25	Devrim Nazlıkol (Sika Yapı Kimyasalları A.Ş.) "Sika 3D Technologies"
16:25 - 16:55	Dr. Nefize Sabahatin Shaban (METU) "Behaviour of unreinforced 3D printed concrete walls under monotonic later loading"
16:55 - 17:05	Closing remarks, Assoc. Prof. Cagla Meral AKGÜL (METU)

3D-PC WORKSHOP