

**State-of-the-art Materials and  
Techniques in Structural  
Engineering and Construction**

**EURO-MED-SEC-4  
WELCOME RECEPTION**

**5:00<sub>PM</sub> – 7:00<sub>PM</sub>**

**MONDAY, JUNE 20<sup>TH</sup>, 2022  
V-ROOM A**



**HTWK**

Leipzig University  
of Applied Sciences

**State-of-the-art Materials and  
Techniques in Structural  
Engineering and Construction**

**EURO-MED-SEC-4  
CONFERENCE OPENING**

**9:00<sub>AM</sub> – 9:45<sub>AM</sub>,  
TUESDAY, JUNE 21<sup>ST</sup>, 2022  
V-ROOM A**



**HTWK**

Leipzig University  
of Applied Sciences

Tuesday, June 21<sup>st</sup>,  
9:45 – 10:15 am

# Keynote Speaker I: Prof. Dr. Giovanni A. Plizzari

**V-Room A**



*Professor of Structural  
Engineering,  
University of Brescia,  
Italy*

## Title:

Fiber reinforced concrete for  
new and existing structures



**HTWK**

Leipzig University  
of Applied Sciences



# HITWK

Leipzig University  
of Applied Sciences

**Tea & Coffee Break**  
**Tuesday, June 21<sup>st</sup>,**  
**10:15 am – 11:00 am**

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***Next: Technical Session I***  
***11:00 am – 12:30 pm, V-Rooms A, B, and C***



**Technical Session I**  
**Tue, June 21<sup>st</sup>, 11:00 am – 12:30 pm**  
**Room G329; V-Room A**  
**Steel Structures**

**HTWK**

Leipzig University  
of Applied Sciences

**Moderator:**  
Salah El-din E.  
El-metwally

**Co-Moderator:**  
Aysha Haroon

**IT Staff:**  
Abdullah Quadri

Presentation #	Name/Presenter	Presentation Title
1	AMAR KHENNANE, WASIM REZA, MOURAD KHELIFA	FLEXURAL BEHAVIOUR OF A BRACED HYBRID STEEL-TIMBER BEAM
2	PHILIPPE VAN BOGAERT	NODES OF HOLLOW CORE PROFILE TRUSS BRIDGES WITH INCOMPLETE WELDS
3	PHILIPPE VAN BOGAERT	END CONNECTIONS OF TUBULAR MEMBERS BY CIRCULAR PLATE AND CENTRAL FLANGE
4	DAICHI KATO, KEITA SUZUKI, SEISHI WATANABE, OSAMU TAKAHASHI	STUDY ON TENSILE FORCE TRANSMISSION PERFORMANCE OF DECK PLATE
5	SABARNA PALIT, SRIMAN KUMAR BHATTACHARYYA	RESPONSE OF STEEL FRAME ASSEMBLY UNDER LOCALIZED FIRE EFFECT
6	TATSUYA GOBARA, MAKOTO OHYA, NOZOMU HIROSE, MASAMICHI TAKEBE	AUTOMATED PREPARATION GRADE JUDGEMENT SUPPORT SYSTEM FOR WEATHERING STEEL BRIDGES BY DEEP LEARNING



**Technical Session I**  
**Tue, June 21<sup>st</sup>, 11:00 am – 12:30 pm**  
**Room G327; V-Room B**  
**Analysis I**

**HTWK**

Leipzig University  
of Applied Sciences

**Moderator:**  
Volker Slovik

**Co-Moderator:**  
Mounir El Asmar

**IT Staff:**  
Justin Honda

Presentation #	Name/Presenter	Presentation Title
1	ROSHEN JOSEPH, AMAN MWAFY, SHAHRIA ALAM	EVALUATION OF SEISMIC PERFORMANCE ENHANCEMENT TECHNIQUES FOR SHEAR WALL BUILDINGS USING ADVANCED MATERIALS AND SYSTEMS
2	OSHMAN CHARCO, FRANK CHAVARIN, RAIS AHMAD	BLAST LOADING EFFECT ON CHEVRON TYPE BUCKLING RESTRAINED BRACED FRAMES
3	NAMKHAINYAMBUU ENKHBOLD, PUREVDORJ SOSORBURAM, EIKI YAMAGUCHI	APPLICATION OF BUCKLING RESTRAINED DAMPER TO TRUSS BRIDGE FOR BETTER SEISMIC PERFORMANCE
4	MOHAMAD NAZIEH JLILATI, HIBA MASRI	SLOPE STABILITY ANALYSIS UNDER SEISMIC LOADS (COMPARATIVE BETWEEN NUMERICAL AND TRADITIONAL PSEUDO-STATIC METHODS)
5	YU MORIYAMA, TSUBASA SAITO, TAKUMI ITO	JUDGMENT TENDENCY AND FUZZY INFERENCE MODEL RELATED TO REDUNDANCY OF FRAMED STRUCTURES AGAINST DISSAPEARANCE OF MEMBER
6	NEHAL DESAI, SANDIP VASANWALA	COMPARATIVE STUDY OF MODIFIED CONSTRUCTION STAGE ANALYSIS AND CONSTRUCTION STAGE ANALYSIS FOR RC BUILDINGS



**Technical Session I**  
**Tue, June 21<sup>st</sup>, 11:00 am – 12:30 pm**  
**Room G332; V-Room C**  
**Concrete Structures I**

**HTWK**

Leipzig University  
of Applied Sciences

**Moderator:**  
Dejan Dinevski

**Co-Moderator:**  
Amarjit Singh

**IT Staff:**  
Emir Günim

Presentation #	Name/Presenter	Presentation Title
1	NASER KABASHI, ENES KRASNIQI, MILOT MUHAXHERI	FRP COMPOSITE STRENGTHENING OF CONCRETE COLUMNS WITH VARIOUS SHAPES AND LOADING CONDITIONS
2	ZIN MAHAINI, FARID ABED	THE USE OF ULTRA-HIGH STRENGTH CONCRETE (UHSC) WITH LONGITUDINAL GFRP REINFORCEMENT UNDER FLEXURE
3	STEFAN KAESEBERG, KLAUS HOLSCHEMACHER	COMPREHENSIVE DESIGN-ORIENTED MODEL FOR FRP-CONFINED CIRCULAR RC COLUMNS
4	MUHAMMAD SALMAN KYAURE, FARID ABED	FINITE ELEMENT ANALYSIS OF FRCM RETROFITTED PRE-DAMAGED SLENDER CIRCULAR RC COLUMNS
5	LINAS PLIOPLYS, ANDRIUS KUDŽMA, ALEKSANDR SOKOLOV, VALENTIN ANTONOVIČ, VIKTOR GRIBNIAK	REINFORCEMENT BONDING PERFORMANCE IN REFRACTORY CASTABLES UNDER ELEVATED TEMPERATURES
6	TAKUMI MISAKI, MINORU ODA, OSAMU TAKAHASHI	RESEARCH ON THE SEMI-RIGID COLUMN BASE OF REINFORCED CONCRETE



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of Applied Sciences

**Lunch Break**  
**Tuesday, June 21<sup>st</sup>,**  
**12:30 pm – 1:30 pm**



***Next: Technical Session II***  
***1:30 pm – 3:00 pm, V-Rooms A, B, and C***



**Technical Session II**  
**Tue, June 21<sup>st</sup>, 1:30 pm – 3:00 pm**  
**Room G329; V-Room A**  
**Project Management and Construction I**

**HTWK**

Leipzig University  
of Applied Sciences

**Moderator:**  
Paola Provenzano

**Co-Moderator:**  
Philippe Van  
Bogaert

**IT Staff:**  
Abdullah Quadri

Presentation #	Name/Presenter	Presentation Title
1	KAREEM OTHMAN, RANA KHALLAF	A REVIEW OF PUBLIC-PRIVATE PARTNERSHIPS FOR RENEWABLE ENERGY PROJECTS IN DEVELOPING COUNTRIES
2	DANIEL D'ANGELO, EDWARD MINCHIN	IMPLEMENTATION OF PROJECT BUNDLING
3	HANDAN KUNKCU, KERIM KOC, ASLI PELIN GÜRGÜN	MULTI-CRITERIA DECISION-MAKING METHODS FOR CONTRACTOR SELECTION: A REVIEW
4	MUHAMMAD SAIFUL ISLAM, LAITH A HADIDI	COMPARATIVE COST ANALYSIS OF DIFFERENT THERMAL POWER PLANT PROJECTS
5	JEMA RICA LOPEZ, SORN VIMONSATIT, JOSHUA TUMBAGA	RISK ANALYSIS OF FALLING FROM HEIGHTS IN THE GROWING CONSTRUCTION INDUSTRY
6	SEUNG-HYEON SHIN, JEONG-HUN WON, HYEON-JI JEONG, NAM-GWON JANG, MINJUN KIM, MIN-GUK KANG	IMPROVEMENT OF DFS PERCEPTION OF CONSTRUCTION STAKEHOLDERS THROUGH COMPARISON BETWEEN DIFFERENT COUNTRIES



**Technical Session II**  
**Tue, June 21<sup>st</sup>, 1:30 pm – 3:00 pm**  
**Room G327; V-Room B**  
**Cementitious Materials**

**HTWK**

Leipzig University  
of Applied Sciences

**Moderator:**  
Farid Abed

**Co-Moderator:**  
Frank Yazdani

**IT Staff:**  
Justin Honda

Presentation #	Name/Presenter	Presentation Title
1	AYSHA HAROON, T. HEMALATHA	XRD INVESTIGATIONS ON COMPRESSIVE STRENGTH GAIN OF UHPC SUBJECTED TO VARIOUS CURING TECHNIQUES
2	ANDRIUS KUDŽMA, LINAS PLIOPLYS, VALENTIN ANTONOVIČ, RIMVYDAS STONYS, VIKTOR GRIBNIAK	CURING TEMPERATURES EFFECT ON EXPLOSIVE SPALLING IN ALUMINA-CEMENT BASED CONCRETES
3	LUDWIG HERTWIG, KLAUS HOLSCHEMACHER, VIKTOR MECHTCHERINE	STATIC YIELD STRESS MEASUREMENTS OF FINE AGGREGATES
4	CHISATO KUROKI	REFRACTORY PROPERTIES OF CONCRETE USING SINGLE MICRON FLY ASH AND GROUND GRANULATED BLAST FURNACE SLAG FINE POWDER
5	NIKHIL SANTOSHKUMAR AGRAWAL, ANSHUMAN SRIVASTAVA, MANPREET SINGH, RAJENDRA KHAPRE	EXPERIMENTAL INVESTIGATION OF MARBLE DUST CONCRETE IN ARTIFICIAL SEA WATER
6	AHMAD SALAH EDEEN NASSEF, ASILA AL NAQBI, BALAQIS AL SHEIBANI, BUTHAINA AL BADI, LAMYAA AL MAQBALI	TREATED MEDICAL WASTES CONCRETE



**Technical Session II**  
**Tue, June 21<sup>st</sup>, 1:30 pm – 3:00 pm**  
**Room G332; V-Room C**  
**Reinforced Concrete Structures II**

**HTWK**

Leipzig University  
of Applied Sciences

**Moderator:**  
Yuri Ribakov

**Co-Moderator:**  
David Holschemacher

**IT Staff:**  
Emir Günim

Presentation #	Name/Presenter	Presentation Title
1	MADHURAJ KIRAN NAIK, GANESH HEGDE, LALAT GIRI	TECHNIQUE TO DETERMINE DEPTH OF SUB-SURFACE DEFECTS IN CONCRETE STRUCTURES USING INFRARED THERMOGRAPHY – A SIMULATION STUDY USING FEM
2	JOHANNES FURCHE, ULRICH BAUERMEISTER	EFFECTIVE LATTICE PUNCHING SHEAR REINFORCEMENT WITH DIFFERENT ARRANGEMENT
3	SALAH EL-DIN E. EL-METWALLY, ABDELRAZEK E. EBRAHIM	STRENGTH PREDICTION OF CONCRETE BOTTLE-SHAPED STRUTS
4	HAMED ASKAR	EXPERIMENTAL STUDY OF RC BEAMS WITH WEB OPENINGS SUBJECTED TO PURE TORSION
5	AMINA YAKOUT, BILAL EL-ARISS, TAMER EL MAADDAWY	GFRP REINFORCED INVERTED T BEAMS: AN EXPERIMENTAL STUDY
6	SERGEY YU. SAVIN, NATALIA V. FEDOROVA	DYNAMIC BEHAVIOR OF A RC COLUMN UNDER AXIAL-LATERAL IMPACT



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Leipzig University  
of Applied Sciences

**Tea & Coffee Break**  
**Tuesday, June 21<sup>st</sup>,**  
**3:00 pm – 3:45 pm**

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***Next: Technical Session III***  
***3:45 pm – 5:15 pm, V-Rooms A, B, and C***



Technical Session III  
Tue, June 21<sup>st</sup>, 3:45 pm – 5:15 pm

Room G329; V-Room A

## Textile Reinforced and Fiber Reinforced Concrete

# HTWK

Leipzig University  
of Applied Sciences

**Moderator:**  
Frank Yazdani

**Co-Moderator:**  
Yuri Ribakov

**IT Staff:**  
Abdullah Quadri

Presentation #	Name/Presenter	Presentation Title
1	WLADISLAW POLIENKO, KLAUS HOLSCHEMACHER, HENNING VON DAAKE	COLUMN CONFINEMENT WITH TEXTILE-REINFORCED CONCRETE (TRC)
2	DENNIS MESSERER, KLAUS HOLSCHEMACHER	EFFECT OF CURVATURE ON THE TENSILE STRENGTH OF FRCM
3	ALEXANDER KAHNT, OTTO GRAUER, MATTHIAS TIETZE, KLAUS HOLSCHEMACHER	BUILDING CLIMATIC PROPERTIES OF LIGHTWEIGHT FACADES
4	OTTO GRAUER, ALEXANDER KAHNT, MATTHIAS TIETZE, KLAUS HOLSCHEMACHER	THE AUTOMATED MANUFACTURING PROCESS OF BUILDING ENVELOPES USING THE EXAMPLE OF CARBON-REINFORCED CONCRETE
5	FLORIAN JUNKER, KLAUS HOLSCHEMACHER	CREEP BEHAVIOR OF STEEL FIBER REINFORCED LIGHTWEIGHT CONCRETE BEAMS UNDER FLEXURAL LOADING
6	SHAHROUKH SHOAIB, TAMER EL-MAADDAWY, HILAL EL-HASSAN, BILAL EL-ARISS, MARWA ALSALAMI	WORKABILITY AND FLEXURAL STRENGTH OF CONCRETE REINFORCED WITH BASALT MACRO-FIBERS



**Technical Session III**  
**Tue, June 21<sup>st</sup>, 3:45 pm – 5:15 pm**  
**Room G327; V-Room B**  
**Analysis II**

**HTWK**

Leipzig University  
of Applied Sciences

**Moderator:**  
Edward Minchin

**Co-Moderator:**  
Naser Kabashi

**IT Staff:**  
Justin Honda

Presentation #	Name/Presenter	Presentation Title
1	PATCHARIDA PULTAWEE, KONGKON TOCHAIWAT	PREDICTION OF ABSORPTION RATE IN HOUSING PROJECT BY ARTIFICIAL NEURAL NETWORK
2	BOŠTJAN HARL, MARKO KEGL, DEJAN DINEVSKI	KEY TOPICS IN TOPOLOGY OPTIMIZATION TRAINING FOR ENGINEERS
3	SALAH EL-DIN E. EL-METWALLY, MOHAMED E. EL-ZOUGHIBY, WALEED E. EL-DEMERDASH	STRUCTURE ROBUSTNESS AGAINST PROGRESSIVE COLLAPSE DUE TO UNFORESEEABLE EVENTS
4	NITHYASREE P V, MADHU M KARTHIK	THREE-DIMENSIONAL COMPATIBILITY STRUT- AND-TIE METHOD FOR THREE-PILE CAPS SUBJECTED TO CONCENTRIC AXIAL LOADS
5	BORA JANG, JAMSHID MOHAMMADI	NEW DIRECTIONS IN PREDICTING AND MODELING TRUCK LOAD POPULATIONS INCLUDING OVERLOADS
6	NEHAL DESAI, SANDIP VASANWALA	INFLUENCE OF TIMESPANS ON CONSTRUCTION SEQUENCE ANALYSIS OF RC BUILDINGS



Technical Session III  
Tue, June 21<sup>st</sup>, 3:45 pm – 5:15 pm

Room G332; V-Room C

## High-Performance Concrete and Sustainability

# HTWK

Leipzig University  
of Applied Sciences

**Moderator:**

Farid Abed

**Co-Moderator:**

Asli Pelin Gürgün

**IT Staff:**

Emir Günim

Presentation #	Name/Presenter	Presentation Title
1	KALASKAR KUMAR NARESH, VANKUDOTHU BHIKSHMA, SUDARSHAN KODAM	EXPERIMENTAL STUDY ON STRENGTH CHARACTERISTICS OF ULTRA HIGH STRENGTH CONCRETE M-150
2	VANKUDOTHU BHIKSHMA	EXPERIMENTAL STUDY ON FLEXURAL BEHAVIOUR OF ULTRA HIGH STRENGTH CONCRETE USING L-BOX
3	ADEL YOUNIS, AMBROSE DODOO	COMPARATIVE CARBON-FOOTPRINT ANALYSIS OF RESIDENTIAL BUILDINGS WITH DIFFERENT STRUCTURAL MATERIALS
4	MOHSINA MUHAMMED SHERIEF, ASHRAF ALY HASSAN, MOHAMED HAMOUDA, MUNJED MARAQA	ANALYSIS OF FLOWRATE, SULFATE, AND TOTAL SULFUR PATTERN IN WASTEWATER INLET TANKS FOR H <sub>2</sub> S MANAGEMENT
5	MANISHA SUKHRAJ KOTHARI, RAHUL MANNA, AMI MISTRY, SHIVANGI PATEL, MIHIR VYAS, ASHRAF ALY HASSAN	DEVELOPMENT OF URINE TREATMENT TECHNOLOGY FOR ITS REUSE APPLICATION
6	PRAVIN KUMAR SONKAR, SUDHIR MISRA	STRENGTHENING OF CONTRACTUAL PROVISIONS FOR CONSTRUCTION AND DEMOLITION WASTE MANAGEMENT

Wednesday, June 22<sup>nd</sup>,  
9:00 – 9:30 am

## Keynote Speaker II: Prof Dr. Michael Kaliske

**V-Room A**

### Title:

Innovations Driven by  
Computational Engineering



*Univ.-Prof. Dr.-Ing. habil.,  
Technical University of  
Dresden, Dresden, Germany*



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**Technical Session IV**  
**Wed, June 22<sup>nd</sup>, 9:30 am – 11:00 am**  
**Room G329; V-Room A**  
**Alkali Activated Cement**

**HTWK**

Leipzig University  
of Applied Sciences

**Moderator:**  
Amar Khennane

**Co-Moderator:**  
Stefan Kaeseberg

**IT Staff:**  
Abdullah Quadri

Presentation #	Name/Presenter	Presentation Title
1	RICHARD CARON, FRANK DEHN	MICROSTRUCTURE AND MECHANICAL PROPERTIES OF SLAG ACTIVATED WITH SODIUM SILICATE
2	BIRUK HAILU TEKLE, LUDWIG HERTWIG, KLAUS HOLSCHEMACHER	SHRINKAGE OF ALKALI-ACTIVATED BLENDED BINDER MIXTURES
3	HILAL EL-HASSAN, TAMER EL-MAADDAWY, ABDALLA HUSSEIN, JAMAL MEDLJY	MECHANICAL PROPERTIES OF STEEL FIBER-REINFORCED ALKALI-ACTIVATED CONCRETE INCORPORATING RECYCLED AGGREGATES
4	M SHAHIB AL BARI, JANUARTI JAYA EKAPUTRI, RASGIANTI RASGIANTI, BERNARDED OKA ANGGARANI, PRASETYO ADI WIBOWO	THE EFFECT OF RE-CALCINATION FLY ASH ON GEOPOLYMER PERFORMANCE



**Technical Session IV**  
**Wed, June 22<sup>nd</sup>, 9:30 am – 11:00 am**  
**Room G327; V-Room B**  
**Legal Topics**

**HTWK**

Leipzig University  
of Applied Sciences

**Moderator:**  
Amarjit Singh

**Co-Moderator:**  
Edward Minchin

**IT Staff:**  
Justin Honda

Presentation #	Name/Presenter	Presentation Title
1	ULRIKE QUAPP, KLAUS HOLSCHEMACHER	DECISION SUPPORTING FLOW CHART FOR DISPUTE RESOLUTION
2	PAOLA PROVENZANO, GIUSEPPE IDLAS	DISPUTE RESOLUTION MANAGEMENT: FINDING THE MORE EFFECTIVE CONCILIATION FROM THE PRE-CONTRACT PHASE TO THE RESOLUTION PHASE
3	KHALED HESHAM HYARI	PAYMENT PROCEDURES UNDER FIDIC CONSTRUCTION CONTRACT
4	NAN CAO, SAI ON CHEUNG	THE VOLUNTARINESS OF DISPUTANTS IN CONSTRUCTION MEDIATION
5	KERIM KOC, HANDAN KUNKCU, ASLI PELIN GÜRGÜN	ORGANIZATIONAL COMMITMENT OF CONSTRUCTION PROFESSIONALS IN THE CONSTRUCTION INDUSTRY
6	SEN LIN, SAI ON CHEUNG	THE INTENTION TO SETTLE DRIVERS OF CONSTRUCTION DISPUTE NEGOTIATION



**Technical Session IV**  
**Wed, June 22<sup>nd</sup>, 9:30 am – 11:00 am**  
**Room G332; V-Room C**  
**Building Construction I**

**HTWK**

Leipzig University  
of Applied Sciences

**Moderator:**  
Michael Kaliske

**Co-Moderator:**  
Syed Faiz Ahmad

**IT Staff:**  
Emir Günim

Presentation #	Name/Presenter	Presentation Title
1	TOUCHAPHONG SRISUWAN	THE APPLICATION OF AN ADAPTIVE SOFT STRUCTURE FOR LIGHTWEIGHT FACADES
2	WANNAWIT TAEMTHONG, NAVAPA CHEYCHAROEN	GREEN WALLS CAN IMPROVE INDOOR AIR QUALITY IN THE CLASSROOM
3	TERESA MARÍA PELLICER, VICENTE LOPEZ-MATEU	PRESERVATION OF RAMMED EARTH STRUCTURES THROUGH TRADITIONAL METHODS: CASE STUDY
4	SHASHWAT SHASHWAT, KISHOR ZINGRE, NIRAJ THURAIRAJA	INVESTIGATING THE IMPACT OF BIO-INSPIRED FACADE DESIGN ON INDOOR ENVIRONMENT
5	SHOYA CHIBA, OSAMU TAKAHASHI, DAICHI KATO, KAZUTO SAKATSUME	THE DEVELOPMENT OF NEW CONSTRUCTION METHODS ABOUT SHAKE PREVENTION DUCT STRUCTURES
6	BABATUNDE FATAI OGUNBAYO, CLINTON OHIS AIGBAVBOA, DIDIBHUKU WELLINGTON THWALA, OLUSEGUN AANUOLUWAPO OGUNTONA	ASSESSING CRITICAL FACTORS AFFECTING THE DEVELOPMENT OF A NATIONAL MAINTENANCE POLICY

**Tea & Coffee Break**  
**Wednesday, June 22<sup>nd</sup>,**  
**11:00 am – 11:30 am**

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***Next: Technical Session V***  
***11:30 am – 1:00 pm, V-Rooms A, B, and C***



**Technical Session V**  
**Wed, June 22<sup>nd</sup>, 11:30 am – 1:00 pm**  
**Room G329; V-Room A**  
**Sustainability and Maintenance**

**HTWK**

Leipzig University  
of Applied Sciences

**Moderator:**

Viktor Gribniak

**Co-Moderator:**

Wannawit Taemthong

**IT Staff:**

Abdullah Quadri

Presentation #	Name/Presenter	Presentation Title
1	ABHISHEK THAKUR, SUDHIR MISRA, AMARJIT SINGH	FINANCIAL SUSTAINABILITY OF CONSTRUCTION AND DEMOLITION WASTE RECYCLING PLANTS
2	DAVID HOLSCHEMACHER, CHRISTOPH MÜLLER, MARKUS HELBIG, NIKLAS WEISEL	LARGE-SCALE, ROPE-DRIVEN ROBOT FOR THE AUTOMATED MAINTENANCE OF URBAN GREEN FACADES
3	SYED FAIZ AHMAD	INVESTIGATION OF THE REASONS OF CONTAMINATION OF BEACH SANDS
4	AKNUR KARABAY, RAUSHAN UTEMURATOVA, DICHUAN ZHANG, HUSEYIN ATAKAN VAROL	CARBON FOOTPRINT OPTIMIZED DESIGN OF SUSTAINABLE REINFORCED CONCRETE COLUMNS USING DEEP LEARNING
5	JOSHUA TUMBAGA, SORN VIMONSATIT, JEMA RICA LOPEZ	TRENDS IN SUSTAINABLE PRACTICES IN THE CONSTRUCTION INDUSTRY USING GREEN STAR CERTIFIED BUILDINGS DATA
6	NIMA NARJABADIFAM, HALIL BASCIK, SAMANEH FALLAH NAFARI, AHMED HAMMAD	A KNOWLEDGE-BASED DECISION SUPPORT SYSTEM FOR SELECTION OF SUSTAINABLE STRUCTURAL MATERIALS: USING FUZZY EXPERT SYSTEM



**Technical Session V**  
**Wed, June 22<sup>nd</sup>, 11:30 am – 1:00 pm**  
**Room G327; V-Room B**  
**Project Management and Construction II**

**HTWK**

Leipzig University  
of Applied Sciences

**Moderator:**  
Philippe Van Bogaert

**Co-Moderator:**  
Dejan Dinevski

**IT Staff:**  
Justin Honda

Presentation #	Name/Presenter	Presentation Title
1	EDWARD MINCHIN, ASHISH ASUTOSH, DAN TRAN	THE CONSTRUCTABILITY REVIEW PROCESS IN A SMALL STATE HIGHWAY AGENCY: A CASE STUDY
2	HALA SANBOSKANI, MOUNIR EL ASMAR, ELIE AZAR	ANALYZING AND FORECASTING CONTRACTORS' GREEN BUILDING REVENUES
3	MOHAMMAD MASFIQUL ALAM BHUIYAN, ANTHONY SULLE, AHMED HAMMAD	APPLICATION OF CHOOSING BY ADVANTAGE (CBA) TO SELECT MOST SUSTAINABLE PROJECT, METRO EXTENSION CASE STUDY
4	MARTA MIERZEJEK	IN-DEPTH, LITERATURE-DRIVEN ANALYSIS OF CONSTRUCTION PROJECT DISRUPTIONS CATEGORIZED BY REGION
5	BEAUTY JOHN, SAMUEL ADENIYI ADEKUNLE, CLINTON AIGBAVBOA	CONSTRUCTION INDUSTRY AND THE ADOPTION OF EMERGING TECHNOLOGIES IN THE FOURTH INDUSTRIAL REVOLUTION: THE KEY IMPEDIMENTS IN DEVELOPING COUNTRIES
6	BABATUNDE FATAI OGUNBAYO, CLINTON OHIS AIGBAVBOA, DIDIBHUKU WELLINGTON THWALA, OLUSEGUN AANUOLUWAPO OGUNTONA	RESIDENTS' DEGREE OF SATISFACTION IN PUBLIC-PRIVATE PARTNERSHIPS HOUSING PROVISION IN DEVELOPING ECONOMY



**Technical Session V**  
**Wed, June 22<sup>nd</sup>, 11:30 am – 1:00 pm**  
**Room G332; V-Room C**  
**Building Construction II**

**HTWK**

Leipzig University  
of Applied Sciences

**Moderator:**  
Naser Kabashi

**Co-Moderator:**  
Aysha Haroon

**IT Staff:**  
Emir Günim

Presentation #	Name/Presenter	Presentation Title
1	PETROS CHRISTOU, GEORGIOS XEKALAKIS	THE CONTRIBUTION OF WOODEN RING BEAMS TO THE RESPONSE OF THE ADOBE STRUCTURES
2	BARIS WENZEL, BENJAMIN SCHMID, EBERHARD MÖLLER, JULIA NETT, CHRISTIANE WEBER	ABOUT THE ROLE OF PHYSICAL MODEL FOR THE INSTITUTE FOR LIGHTWEIGHT-STRUCTURES PAVILLION IN STUTTGART AND THE CREATION OF ITS DIGITAL-TWIN
3	SAMAR DERNAYKA, DANISH AHMED, ANDI ASIZ, TAHAR AYADAT, MUHAMMAD AJMAL	COMPARATIVE PERFORMANCE OF WIND INDUCED STRUCTURAL RESPONSE OF HIGH-RISE BUILDINGS WITH REINFORCED CONCRETE AND ULTRA LIGHTWEIGHT CROSS LAMINATED TIMBER SYSTEMS
4	SUPREEDEE RITTIRONK	PRE-FABRICATED CONNECTORS USED IN BAMBOO ARCHITECTURAL FRAMES FOR TIMELY-EFFICIENT CONSTRUCTION
5	SIMONA ROGGERI, GIORGIO PAOLO MARIA VASSENÀ, LAVINIA CHIARA TAGLIABUE	SCAN-TO-BIM EFFICIENT APPROACH TO EXTRACT BIM MODELS FROM HIGH PRODUCTIVE INDOOR MOBILE MAPPING SURVEY
6	SAMUEL ADENIYI ADEKUNLE, CLINTON AIGBAVBOA, OBUKS EJOHWOMU, WELLINGTON D THWALA, JOHN ALIU	LEADERS OF TOMORROW: STATUS AND OUTLOOK OF BIM IMPLEMENTATION AMONG YOUNG QUANTITY SURVEYORS



# HTWK

Leipzig University  
of Applied Sciences

**Lunch Break**  
**Wednesday, June 22<sup>nd</sup>,**  
**1:00 pm – 1:30 pm**

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***Next: Closing Session and Awards***  
***1:30 pm – 2:00 pm, V-Room A***

**CLOSING SESSION: ROOM G329; V-ROOM A**  
**WED, JUNE 22<sup>ND</sup>, 1:30 PM – 2:00 PM**



**HTWK**