

<div> <div>AFGS2025 Detailed Program</div> <div>August 6 (Wed) - 8 (Fri), 2025 , at Chiang Mai University, Chiang Mai, Thailand</div> <div>(as of 24 July,2025)</div> </div>			
Wednesday 6, August 2025			
Time	Activity		Location
08.00 - 08.45	Shuttle service from CMU Café and More to Angkaew Villa		CMU Café and More
08.00 - 09.00	Registration		Reception Room (Conference Hall)
09.00 - 09.40	Opening Address +Group Photo >> Welcome Address: Assoc.Prof. Kensuke Yasufuku, Japan Socieity for Graphic Science >> Welcome Address: Prof. Zhao Gang, President of China Graphic Socieity >> Organizing Report : Asst.Prof.Thanasak Mouktonglang, Head of Department of Mathematics, Chiang Mai University >> Opening Address: Assoc Prof. Piyapong Niamsup, Dean of Faculty of Science, Chiang Mai Univesity >> Group Photo		Angkaew Villa (Conference Hall)
09.40 - 10.30	Plenary Lecture 1 Chair : Kensuke Yasufuku Brick Toy as Tangible "Architecture" By Yuji Katagiri, Tokyo City University, Japan		Angkaew Villa (Conference Hall)
10.30 - 11.00	Break		Angkaew Villa (Reception Hall)
11.00 - 12.00	Parallel Session 1	Total 6 Talks, 60 mins in total	Room A: Conference Hall Room B: Lounge Room of Building A
	Room A: Theoretical Graphics and Geometry Chair: Peeraya Sripian	Room B: Graphics Education Chair: Biljana Jović	
Talk 1	CONSTRUCTION AND APPLICATION OF CREATIVE DESIGN PLATFORM DRIVEN BY GEOMETRIC CONSTRAINTS Hongming Cai, Shuangjiu Xiao, Haiyan Yu, Wei Lliu	CLUSTER ANALYSIS IN EDUCATIONAL PROCESS MANAGEMENT Dilarom Kuchkarova and Dilnoza Achilova	
Talk 2	YIN AND YANG IN BOOLEAN OPERATIONS: A UNIFIED APPROACH TO DEGENERACY PROBLEMS Haiyan Yu, Zuohao Wang, Wei Liu, Hongming Cai and Yuanjun He	CREATION AND RULES OF A NEW BOARD GAME "EPIDEMIA-S," USING BASIC ARCHITECTURAL DESIGN METHODS Tomonori Hanano, Katsuya Fukushima and Yuji Katagiri	
Talk 3	CONVEX AND CONCAVE PROJECTION Hidekazu Tsujiai	RESEARCH ON THE DEEPENING PROCESS OF PLANNING ABILITY FOR ARCHITECTURAL DRAWING AND THE BIGFIVE Maiko K. Tsujii and Kanako Shibata	
12.00 - 13.30	Lunch		Angkaew Villa (Reception Hall)
13.30 - 15.10	Parallel Sessions 2	Total 10 Talks, 100 mins in total	Room A: Conference Hall Room B: Lounge Room of Building A
	Room A: Engineering Computer Graphics Chair: Luo Xiao	Room B: Engineering Computer Graphics Chair: Naomi Ando	
Talk 4	THE VECTOR SPACE AND THE TENSEGRITY STRUCTURE STABILITY ANALYSIS Luo Ani and Liu Heping	ARCHITECTURE TOWARD ZERO DEGREED : LEARMING FROM KAZUNARI SAKAMOTO AND KAZIMIR MALEVICH Chiaki Okushima and Yuji Katagiri	
Talk 5	AIR JET INTELIGENT LOTUS ROOT HARVERSTING DEVICE BASEED ON PID REGULATION Yan Feng, Yancong Liu, Shengqun Jiang and Jixiang Yue	ANALYSIS OF THE COMPOSITION AND SCALE OF ARCHITECTURE WITH A DOUBLE-CIRCULAR PLANE - THROUGH THE CASES OF I. LEONIDOV, OMA, KAZUYO SEJIMA, AND JUN AOKI - Ryo Yokono and Yuji Katagiri	
Talk 6	DESIGN AND ANALYSIS OF AN ACOUSTIC PACKAGE FOR THE THREE-IN-ONE POWERTRAIN OF NEW-ENERGY VEHICLES Bo Zhao and Riliang Liu	DEPICTED 'ALDO ROSSI'S CEMETERY' THROUGH THE STUDIES FOR CITTA ANALOGA OF ARDUINO CANTÀFORA Ren Hasegawa and Yuji Katagiri	
Talk 7	STRAIN EVALUATION FOR CONNECTING RODS OF ENGINES FOR OPTIMAL DESIGN Masatoshi Niizeki, Toshiaki Kanda, Seiji Ioka and Toshihiro Ozasa	PROCESS-REFERENCES IN ARATA ISOZAKI THROUGH THE ANALYSIS OF TSUKUBA CENTER BUILDING Shota Miyazaki and Yuji Katagiri	
Talk 8	DIGITAL TWIN-BASED CROWD FLOW PREDICTION THROUGH INTEGRATED 3D MODELING AND REAL-TIME SIMULATION Kensuke Yasufuku and Akira Takahashi	NEGATIVE HORIZON: ANALYZING LUIGI MORETTI'S BUILT WORK THROUGH HIS SPATIAL THEORY Tatsuya Saeki and Yuji Katagiri	
15.10 - 15.40	Break		Angkaew Villa (Reception Hall)

Time	Activity		Location
15.40 - 17.00	Parallel Sessions 3	Total 8 Talks, 80 mins in total	Room A: Conference Hall Room B: Lounge Room of Building A
	Room A: Applied Geometry and Graphics Chair: Hidekazu Tsujiai	Room B: Graphics Education Chair: Yu Haiyan	
Talk 9	INVESTIGATING THE MAGNIFICATION ILLUSION IN VR Peeraya Sripian and Yasushi Yamaguchi	THE CURRENT STATUS AND FUTURE DEVELOPMENT OF ENGINEERING GRAPHICS COURSES IN CHINESE HIGHER VOCATIONAL COLLEGES Xianying Tong, Wei Yang, Hongliang Fan and Tianlin Wang	
Talk 10	TOWARDS 3D CAD THAT CAN BE USED BY ALL VISUALLY IMPAIRED PEOPLE: A CASE STUDY Kazunori Minatani	BUILDING A NEW ECOSYSTEM FOR GRAPHICS EDUCATION IN THE DIGITAL AGE Xiao Luo, Baoling Han and Qingsheng Luo	
Talk 11	THE DEVELOPMENT AND EVALUATION OF A VR EDUCATIONAL TOOL FOR EXHIBITION EXERCISES IN CURATOR EDUCATION Takuya Mikami	A FILTERING SYSTEM FOR COMPUTER AIDED DRAFTING INSTRUCTION (FIRST REPORT) Masatoshi Niizeki	
Talk 12	A STUDY ON PEDAGOGICAL PRACTICE IN 360-DEGREE VIDEO PRODUCTION WITH A FOCUS ON STUDENT LEARNING Ryuta Motegi and Kei Kumagai	THE APPLICATION OF DIGITAL TEXTBOOKS IN ENGINEERING GRAPHICS EDUCATION Hongliang Fan, Baoling Han Han and Xianying Tong	
17.00 - 18.00	Free time		
	Business Meeting for JSGS & CGS Meeting		
18.00 - 21.00	Welcome dinner in the garden		Angkaew Villa (Yard)
21.00 - 21.30	Shuttle service from Angkaew Villa to CMU Café and More		

Thursday 7, August 2025			
Time	Activity		Location
08.00 - 08.45	Shuttle service from CMU Café and More to Angkaew Villa		CMU Café and More
09.00 - 09.50	Plenary Lecture 2 Intelligent Design Based on AI Agent in the Big Language Model Era By Hongming Cai, Shanghai Jiao Tong University, China	Chair : Han Baoling	Angkaew Villa (Conference Hall)
09:50 - 10.20	Break		Angkaew Villa (Reception Hall)
10.20 - 12.00	Parallel Session 4	Total 10 Talks, 100 mins in total	Room A: Conference Hall Room B: Lounge Room of Building A
	Room A: Applied Geometry and Graphics Chair: Cai Hongming	Room B: Applied Geometry and Graphics Chair: Masatoshi Niizeki	
Talk 13	RELATIONSHIP BETWEEN PROTRUSION SHAPE AND GRIPPING ABILITY Sande Gao, Yuanfeng Wang, Nobuaki Kamei and Keijiro Nakasa	RESEARCH ON DYNAMIC DISPLAY TECHNOLOGY OF BIM MODEL INTEGRATING MULTIMODAL ENGINEERING DATA Guozhen Zhang, Jie Liu and Yuanli Wang	
Talk 14	SEALED WHITE CUBE: SEALED ANALOG ARTWORK AND DIGITIZED FORMS OF APPRECIATION Masasuke Yasumoto	RESEARCH ON BIM GEOMETRIC INFORMATION PROCESSING AND VISUALIZATION METHODS FOR INTELLIGENT CONSTRUCTION Wen Jianghai and Zhang Guozhen	
Talk 15	STRUCTURE AND MEANING OF CONSTANTIN BRANCUSI'S ENDLESS COLUMN - GEOMETRY OF SINGLE SOLID PIECE AND ITS SIMBOLISM - Yoshizumi Fukue	DEVELOPMENT OF A DESIGN SUPPORT TOOL USING GRASSHOPPER FOR GENERATING ROTATIONAL FORMS WITH VARIOUS MESH PATTERNS Shin Tsuchiya	
Talk 16	GRAPHIC SCIENCES FOR CULTURAL HERITAGE EDUCATION. EXPERIENCES OF SPATIAL REPRESENTATION TOOLS CO-DESIGN Camilla Casonato	EXPLORING VISUAL COMMUNICATION IN ORIGAMI DESIGN BY USING VIRTUAL REALITY AND GENERATIVE AI TECHNOLOGIES Biljana Jović and Andjela Stanojevic	
Talk 17	GRAPHICAL ANALYSIS OF HAKONE TOWN DEPICTED IN YOSHIDA HATSUSABURO'S BIRD'S-EYE VIEW Yusuke Morita and Yuji Katagiri	BETWEEN BLOSSOMS: BIODESIGN INSPIRED BY PEONY IN PARAMETRIC MODELING AND ART INSTALLATION Biljana Jović and Xinlu Wang	
12.00 - 13.30	Lunch		Angkaew Villa (Reception Hall)
13.30 - 18.00	Excursion : Doi Suthep and City Tour		
18.00 - 21.00	Banquet Party (Khantoke Dinner and Cultural Show)		
	** Participants will be delivered to their hotel.		

Friday 8, August 2025		
Time	Activity	Location
08.00 - 08.45	Shuttle service from CMU Café and More to Angkaew Villa	CMU Café and More
09.00 - 10.00	Parallel Session 5	Total 6 Talks, 60 mins in total
	Room A: Applied Graphics and Geometry Chair: Yuji Katagiri	Room B: Theoretical Graphics and Geometry Chair: Sande Gao
Talk 18	A STUDY ON THE FORMS OF PEDESTRIAN SPACES — STREETS AS PARKS AND PARKS AS STREETS — Naomi Ando, Jiayu Wang and Nana Kohakura	A GRAPH NETWORK MODEL BASED ON GRAPH CONSTRUCTION POINTS Pengfei Zheng, Weihua Zhou and Jingjing Lou
Talk 19	URBAN REDEVELOPMENT STRATEGIES FOR ELEVATED AND UNDERGROUND RAILWAYS Jinseo Kim and Naomi Ando	EIN-STEIN TILING FONT Tomoko Taniguchi and Ryuhei Uehara
Talk 20	A SIMULATION OF CITY CENTER LANDSCAPES BY SETTING UP VIRTUAL RACING COURSES IN SHINJUKU, TOKYO Shunsuke Karaki, Naomi Ando and Tsubo Kentaro	GEOMETRICAL ANALYSIS FOR CLOSED-LOOP KIRIGAMI WITH APPLICATIONS TO CUTTING PATTERN OF TUNG SAI MOO Woraphan Wattana and Supanut Chaidee
10.00 - 10.30	Break	Angkaew Villa (Reception Hall)
10.30 - 11.00	Closing Ceremony	Angkaew Villa (Conference Hall)
11.00 - 13.00	Lunch	Angkaew Villa (Reception Hall)
13.00	Shuttle service from Angkaew Villa to CMU Café and More	