GRID
2026

PROGRAM

13TH

INTERNATIONAL SYMPOSIUM ON
GRAPHIC ENGINEERING AND DESIGN

UNIVERSITY OF NOVI SAD
FACULTY OF TECHNICAL SCIENCES
DEPARTMENT OF GRAPHIC ENGINEERING AND DESIGN

Thursday | 12 November

CONFERENCE HALL

09:00 - 10:00 PARTICIPANTS REGISTRATION

10:00 - 10:45 SYMPOSIUM OPENING

WELCOME FROM THE ORGANIZATION COMMITTEE:
Chairman of Organizational Committee prof. dr Ivan Pinćjer

GREETINGS BY:
Dean of Faculty of Technical Science, prof. dr Boris Dumnić

10:45 - 11:00 Coffee break - Faculty club (first floor)

PLENARY SESSION: CONFERENCE HALL

11:00 - 11:30 MORE THAN A VISUAL ELEMENT: COLOUR AS A TRANSDISCIPLINARY KNOWLEDGE AND COMPETENCE FRAMEWORK FOR DESIGN
Ingrid Calvo Ivanovic

11:30 - 12:00 BRIDGING THE GAP: A SITUATED PEDAGOGICAL FRAMEWORK FOR INTERDISCIPLINARY GRAPHIC DESIGN AND HUMAN FACTORS RESEARCH
Sam Anvari

12:00 - 12:30 BRIDGING COLOUR COMMUNICATION ACROSS LANGUAGES
Dimitris Mylonas

12:30 - 13:00 TOWARDS A TOTAL PACKAGING SYSTEM: INTEGRATING MATERIAL PERFORMANCE, SAFETY, AND CIRCULAR SUSTAINABILITY
Igor Karlovits

13:00 - 14:00 Lunch break - Restaurant *Brunch Lounge* - Faculty of Technical Sciences

ON-SITE

SESSION 1A: CONFERENCE HALL – Printing quality

Chairpersons: Mladen Stančić and Saša Petrović

14:00 – 14:15 SURFACE FREE ENERGY OF POLYETHYLENE AFTER CORONA TREATMENT AND ITS STABILITY AT DIFFERENT STORAGE TEMPERATURES
Bohumil Jašúrek, Veronika Holeňová, Jan Vališ

14:15 – 14:30 COLORIMETRIC AND LIGHTFASTNESS ASSESSMENT OF WATER-BASED MAGENTA INKJET PRINTS ON WOOD-FREE OFFSET SUBSTRATE
Bojana Narić, Mladen Stančić, Igor Majnarić, Miroslav Dragić

14:30 – 14:45 MORE THAN HUE—A METHODOLOGICAL APPROACH TO COLOUR DESIGN FOR VISUAL IDENTITY AND BRANDING
Ingrid Calvo Ivanovic, Francesca Mattioli

14:45 – 15:00 MOTTLING IN PRODUCTION OF CARDBOARD AND IN OFFSET PRINTING
Žanko Sremac, Nemanja Petrović, Uroš Mančić

15:00 – 15:15 Coffee break – Faculty club (first floor)

SESSION 2A: CONFERENCE HALL – Design

Chairpersons: Zuzanna Żołek-Tryznowska and Neda Milić Keresteš

15:15 – 15:30 HUMAN BY DESIGN: GRAPHIC DESIGN AND DESIGN THINKING IN THE AGE OF AI
Charles T. Weiss

15:30 – 15:45 REINTERPRETATION OF THE ARTWORK ATELJE BY GABRIJEL STUPICA INTO DIDACTIC AND TACTILE PRODUCTS
Hana Muck, Raša Urbas

15:45 – 16:00 DISTRIBUTED AUDIOVISUAL PRODUCTION AND THE EVOLUTION OF COMMUNICATION METHODOLOGIES FOR LARGE-SCALE CULTURAL EVENTS: A CASE STUDY OF THE FESTA DOS TABULEIROS
Júlio Silva, Paulo Coelho, Ana do Carmo

16:00 – 16:15 CONSUMER EXPERIENCES WITH SCREW-CLOSURE PACKAGING: ERGONOMIC CHALLENGES AND USER DIFFICULTIES
Gordana Bošnjaković, Gojko Vladić, Katarina Maričić Picajkić, Teodora Gvoka

16:15 – 16:30 Coffee break – Faculty club (first floor)

THE FACULTY CENTRAL BUILDING HALL

16:30 - 17:30 INTERNATIONAL STUDENT PROJECT EXHIBITION

SESSION 4A: CONFERENCE HALL - Graphic materials and ecology

Chairpersons: Iskren Spiridonov and Savka Adamović

17:30 - 17:45 BIO-BASED ANTIBACTERIAL PAPER COATINGS ENABLED BY SURFACE-MODIFIED SILVER NANOPARTICLES
Emine Arman Kandirmaz, Arif Ozcan

17:45 - 18:00 DEVELOPMENT OF GREEN-SYNTHESIZED SILVERNANOPARTICLE--CONTAINING PCL COATINGS FOR PAPER PACKAGING MATERIALS
Filiz Kara

18:00 - 18:15 DEVELOPMENT AND CHARACTERIZATION OF A FUNCTIONAL UV-PHOTO-POLYMERIZED PEGDA/PETMP/BMEP HYDROGEL ADSORBENT FOR METHYLENE BLUE REMOVAL FROM AQUEOUS MEDIA
Betül Eymur Donmez, Aslı Beyler Çigil

18:15 - 18:30 ENERGY CONSUMPTION AND CARBON FOOTPRINT ANALYSIS OF FLEXOGRAPHIC PRINTING DRYING SYSTEMS USING A SIMULATION-BASED DIGITAL TWIN MODEL
Rabia Ilknur Erken, Elif Özen Ural

18:30 - 18:45 DEVELOPMENT AND CHARACTERIZATION OF PLA/PBAT/CHITOSAN-BASED BIODEGRADABLE FILMS FOR ACTIVE STRAWBERRY PACKAGING APPLICATIONS
Hatice Birtane

18:45 - 19:00 IMPROVING THE PRINTABILITY OF PLA-BASED ACTIVE PACKAGING FILMS USING EXOPOLYSACCHARIDE OBTAINED BY LIGILACTOBACILLUS SALIVARIUS KC66L
Aslı Beyler Çiğil, Berat Çınar Acar, Zehranur Yüksekdağ, Hatice Birtane

20:00 GALA DINNER - Restaurant *Brunch Lounge* - Faculty of Technical Sciences

SESSION 4B: READING ROOM – Education and novel technologies

Chairpersons: Tomislav Cigula and Ivana Jurič

17:30 – 17:45 COMPARATIVE ANALYSIS OF ARTIFICIAL INTELLIGENCE TOOLS FOR 3D MODEL GENERATION, ANIMATION, AND VIRTUAL REALITY CONTENT CREATION
Renata Gudaitiene, Mykolas Sidlauskas, Arturas Luksevicius

17:45 – 18:00 NON-CONTACT 3D ACQUISITION OF CHALLENGING MUSEUM OBJECTS FOR CULTURAL HERITAGE DIGITALIZATION
Jure Jarc, Nataša Nemeček, Gašper Oitzl, Andrej Učakar, Deja Muck

18:00 – 18:15 INDUSTRIAL HERITAGE AS A LEARNING ENVIRONMENT: AN EXPLORATORY CASE STUDY IN GRAPHIC TECHNOLOGIES AND DESIGN EDUCATION
Miguel Sanches, Ana do Carmo, Júlio Silva

18:15 – 18:30 KIS MAGYARÓRA: LEARNING A LANGUAGE THROUGH APPLIED ART
Asja Komadina

20:00 GALA DINNER – Restaurant *Brunch Lounge* – Faculty of Technical Sciences

ONLINE

SESSION 1B: ONLINE – room 319, F block (third floor)

Chairperson: Stefan Đurđević

14:00 – 14:15 PERCEPTUAL AND KANSEI RESPONSES TO ALPHANUMERIC ONOMASTICS IN EMOTIONAL PACKAGING DESIGN ACROSS AGE GROUPS
Ayorinde Samuel Oluyemi, Oluwafemi Samuel Adelabu, E. Bankole Oladumiye

14:15 – 14:30 COMPARATIVE ASSESSMENT OF TONE AND LINE REPRODUCTION ON FABRIC USING DTF AND SUBLIMATION TRANSFER PRINTING
Vyacheslav Repeta, Pavlo Ryvak, Yurii Petriv

14:30 – 14:45 PH-RESPONSIVE STARCH FILMS INCORPORATING PURPLE SWEET POTATO ANTHOCYANINS AND BACTERIAL NANOCELLULOSE
Sanja Mahović Poljaček, Tamara Tomašegović, Davor Donevski

14:45 – 15:00 RAPID PROTOTYPING AND FABRICATION OF UNMANNED SURFACE VESSELS: A 3D PRINTING CASE STUDY
Robert-George Reynik, Panagiotis Kyratsis

15:00 – 15:15 EVALUATION OF VISUAL AESTHETICS AND COMMUNICATION EFFECTIVENESS IN DIGITAL ADVERTISING
Rina Petričević, Jure Ahtik

15:15 – 15:30 FROM STUDIO TO SHELF: INTEGRATING RETAIL CONTEXTS INTO PACKAGING DESIGN EDUCATION
Petra Merhy

15:30 – 15:45 A CASE STUDY IN AUXETIC STRUCTURE DESIGN FOR AN ADAPTIVE 3D-PRINTED HANDBAG
Athina Tziarou, Panagiota Ligka, Nikolla Vesho, Panagiotis Kyratsis

SESSION 2B: ONLINE – room 319, F block (third floor)

Chairperson: Rastko Milošević

15:45 – 16:00 OPTIMIZATION OF THERMOCHROMIC PRINTING INKS FOR FUNCTIONAL TEMPERATURE INDICATORS
Maja Strižić Jakovljević, Jana Špiranec, Sanja Mahović Poljaček

16:00 – 16:15 EVALUATION OF VISUAL AESTHETICS AND COMMUNICATION EFFECTIVENESS IN DIGITAL ADVERTISING
Klara Manca Čanžek, Jure Ahtik

16:15 – 16:30 COMPARISON OF VARIOUS LEAST SIGNIFICANT BIT MODIFYING METHODS USED FOR IMAGE DATA HIDING
Patricija Nakić, Aleš Hladnik

16:30 – 16:45 A METHODOLOGICAL FRAMEWORK FOR THE PREPRESS PREPARATION OF COLOUR IMAGES BASED ON NEW APPROACHES TO OPTIMISING THE COLOUR REPRODUCTION PROCESS
Vitalii Semeniv, Nataliia Zanko, Mariia Semeniv, Bohdan Kovalskyi

16:45 – 17:00 A CASE STUDY IN FUNCTIONALLY GRADED LATTICE DESIGN FOR A SURFSKATE DECK: WORKFLOW AND REDUCED-SCALE PROTOTYPE PROTOTYPE
Panagiota Ligka, Athina Tziarou, Renata Gudaitiene, Panagiotis Kyratsis

SESSION 3A: ONLINE – room 319, F block (third floor)

Chairperson: Bojan Banjanin

17:00 – 17:15 BENCHMARKING COLOR REPRODUCTION QUALITY: A COMPARATIVE STUDY OF DIGITAL PRINTING SYSTEMS
Tetyana Holubnyk, Olha Borysenko

17:15 – 17:30 THE ROLE AND FUTURE POTENTIAL OF BOOKS AND BOOK PRINTING IN THE EUROPEAN KNOWLEDGE ECONOMY
Gábor Tóth, Kornél Remete, Csaba Horváth, László Koltai

17:30 – 17:45 FROM SIGNAGE TO CIVIC IDENTITY: A THEORETICAL FRAMEWORK FOR VISUAL COMMUNICATION IN POST-CONFLICT URBAN SPACE
Laila Mušić

17:45 – 18:00 INTEGRATING ARTIFICIAL INTELLIGENCE IN THE DESIGN OF SUSTAINABLE AND SMART PACKAGING: CHALLENGES AND PERSPECTIVES IN GRAPHIC ENGINEERING
Chris Trochoutsos, Gerasimos Vonitsanos, Marios Tsigonias

18:00 – 18:15 TEA PACKAGING THOUGH DESIGN THINKING: A HOLISTIC METHODOLOGY TO PRODUCT IDENTITY
Ioanna Kalamakidou, Vasileios Kyratsis, Giorgos Lychridas, Thomas Liokos, Athanasios Manavis, Nikolaos Efkolidis

Friday | 13 November

CONFERENCE HALL – INDUSTRY SESSION

Chairman: Živko Pavlović

10:00 – 10:40 MERENJE, KONTROLA I UPRAVLJANJE BOJOM U GRAFIČKOJ INDUSTRIJI
Borisav Bogosavljević, Konica Minolta

10:40 – 11:20 BEC1GO – BRAJEVO PISMO U INDUSTRIJI
Veljko Krunić, artisJet Srbija

11:20 – 11:50 PERFECTING THE BUSINESS OF PRINT: NEW POSSIBILITIES WITH THE LATEST XEROX TECHNOLOGY
Miroslava Tsvetanova, Xerox

11:50 – 12:20 Coffee break – Faculty lounge (ground floor)

CONFERENCE HALL – INDUSTRY SESSION

Chairman: Živko Pavlović

12:20 – 13:00 SMANJENJE NALOGA U TISKU I PRILAGODBA KINESKIH PROIZVOĐAČA NA ISTO
Alen Babahmetović, Impressio Europe

13:00 – 13:40 GWG IN INDUSTRY
Dawid Zwang

CONFERENCE HALL – INDUSTRY SESSION

Chairpersons: Bojan Banjanin and Neda Milić Keresteš

15:00 – 15:30 KAKO POKRENUTI STUDIO ZA RAZVOJ VIDEO IGARA DANAS
Nikola Šoškić, Shosha Games

15:30 – 16:00 INSIDE A GAME STUDIO: PEOPLE, PROCESSES AND ROLES
Andrea Aleksić & Jovan Vučković, EBB Software

16:00 – 16:30 HOMEPAGE_FINAL_FINAL_V7_REAL.PSD: WHAT'S LEFT FOR THE DESIGNER?
Jovana Mijalković & Bojana Škaljac, Elder

16:30 – 17:00 CTRL + MIND-NEUROBRENDIRANJE: RAZUMI SISTEM, PREOKRENI IGRU
Nikola Učur, Siva ćelija

N block, 109A (first floor)

12:00 - 13:00 POSTER SESSION

THE FACULTY CENTRAL BUILDING HALL

14:00 STUDENT CONTEST WINNER ANNOUNCEMENT

THE GALLERY OF MATICA SRPSKA

19:00 SYMPOSIUM CLOSING

Saturday | 14 November

GRID 1 SESSION (Faculty of Technical Sciences, N block, ground floor)

10:00 ROUND TABLE

YOUR VOTE MATTERS!

Explore the international student project exhibition in the faculty central building hall and vote for the projects you like the most.

How to vote:

1. Take a look at all the design posters and choose the project that you find most creative, original, and appealing.

2. Place one corresponding voting sticker beneath the poster of your favorite design for each country.

International Student Project Exhibition Opening – Thursday | 12 November:

16:30 – 17:30 The Faculty Central Building Hall

Student contest winner announcement – Friday | 13 November:

14:00 The Faculty Central Building Hall

Thank you for your participation

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12 - 14 NOVEMBER 2026

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MINISTRY OF SCIENCE, TECHNOLOGICAL DEVELOPMENT AND INNOVATIONS