

| Conference Agenda | | | | | | |
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| Session Overview | | | | | | |
| Date: Wednesday, 07/Sept/2022 | | | | | | |
| 1:00pm - 5:00pm | Early Registration Location: Reception | | | | | |
| 2:00pm - 5:00pm | WORKSHOP 3: Using Nodebox in Academic Design Projects Location: Ada Lovelace | WORKSHOP 2: Using Perspective Prompts to Encourage Student Engagement During Peer Design Feedback Sessions Location: Beatrice Shilling | WORKSHOP 4: "Can You Feel Me?" – a Design Workshop to Explore Atmospheres Through Social Augmentation Location: Dorothee Pullinger | WORKSHOP 1: How to Develop Organisations Capabilities to Innovate? Test & Learn with The Serious Game 'Année de l'Innovation' Location: Marianne Brandt | | |
| 5:00pm - 5:45pm | Tour of London South Bank University Design Workshop Facilities Location: Lecture Theatre | | | | | |
| 5:45pm - 8:00pm | Welcome Drinks Location: Reception | | | | | |
| Date: Thursday, 08/Sept/2022 | | | | | | |
| 8:00am - 9:00am | Breakfast Location: Ida Bould | | | | | |
| 9:00am - 9:15am | Welcome Location: Lecture Theatre | | | | | |
| 9:15am - 10:15am | KEYNOTE 1 Location: Lecture Theatre | | | | | |
| 10:15am - 10:45am | BREAK Location: Ida Bould | | | | | |
| 10:45am - 12:45pm | 1A Location: Ada Lovelace Chair: Mithra Zahedi , University of Montreal DESIGN WITH A CRITICAL LENS TEACHING STUDENTS HOW TO FIND, RATHER THAN SOLVE, DESIGN CHALLENGES USING INTERDISCIPLINARY WORKSHOPS Kristof Román Victor Vaas¹ , Anne Britt Tokridsy² , Muriel De Boeck¹ 1: Department of Product Development, Faculty of Design Sciences, University of Antwerp, Belgium; 2: The Norwegian Research Laboratory for Universal Design, NTNU Norwegian University of Science and Technology TOOL-BASED ETHICS EDUCATION FOR ENGINEERS; WONDERBERRIES AND WISDOM TILES Wouter Eggink¹ , Karin van der Heijden² , Steven Dorrestijn² , Ilse Ouwens³ 1: University of Twente, Netherlands, The; 2: Saxion University of Applied Sciences, Netherlands, The; 3: Cibap, Vocational School for Design, Netherlands, The REFLECTIONS ON ADDRESSING TABOO, SHAME AND SOCIAL STIGMA IN DESIGN PROJECTS Casper Boks , June Trondsen NTNU Norwegian University of Science and Technology, Norway DESIGNING FOR PERSONAL-HAPPINESS: AN EMPIRICAL CASE STUDY Aija Freimane TU Dublin School of Creative Arts STUDENTS PERCEPTION OF RISK: TEAM MEMBERS CONTRIBUTION WITHIN COLLABORATIVE PROJECTS Charlotte Alexandra Kelland, Ross Brisco , Ian Whitfield University of Strathclyde, United Kingdom | 1B Location: Agnes Kaposi Chair: Emanuela Tilley , UCL TEACHING DESIGN IN A VIRTUAL CLASSROOM – A NEW NORMALITY INITIATED BY THE PANDEMIC CONTEXT Harald Skulberg The Oslo School of Architecture and Design, Norway REALISING THE POTENTIALS OF VIRTUAL REALITY AND BUILDING INFORMATION MODELS? CIVIL ENGINEERING STUDENTS' UTILISATION OF TECHNOLOGY IN A GROUP PROJECT Ingrid Stråna¹ , Ernst Erik Hempel¹ , Eilif Hjelseth² 1: Oslo Metropolitan University, Norway; 2: Norwegian University of Science and Technology, Norway NEW COLLABORATIVE WORKFLOWS - IMMERSIVE CO-DESIGN FROM SKETCHING TO 3D CAD AND PRODUCTION Mauricio Nova¹ , Bryan Howell² , Jan Willem Hofrijzer² , Jose Manuel Rodriguez² , Wendy Zhang³ , Nikolaj Kramer⁴ 1: Western Sydney University, Australia; 2: Brigham Young University, USA; 3: TU Delft, Netherlands; 4: EUIPO Europa, Spain; 5: University of Canterbury, New Zealand; 6: VIA University College, Denmark TOWARDS RE-IMAGINING INDUSTRIAL DESIGN EDUCATION FOR THE CONTEMPORARY PERIOD Wai Dim , Ian de Vere , Jacob Sheahan RMIT, Australia A SLIGHT RETURN: DEVELOPING AN AUGMENTED DESIGN STUDIO PEDAGOGY Jon Spruce , Sarah Moriarty MMU, United Kingdom | 1C Location: Beatrice Shilling Chair: Giovanni Jesus Contreras , University of Sussex DO AS I DO, NOT JUST AS I TELL YOU: TAKING STUDENTS ON A RESEARCH JOURNEY Matthew Alan Watkins , Maryam Bathaai Javarehk Nottingham Trent University, United Kingdom MAPPING DESIGN BRIEFS AND RESULTS OVER A DECADE OF UNIVERSITY-INDUSTRY STUDENT PROJECTS Sara Figueiredo , Viikki Erikssoo , Tua Björklund , Kalevi Ekman Aalto University, Aalto Design Factory, Finland DIGITAL HEALTH INTERVENTIONS FOR PROMOTING SLEEP WELLBEING: A DESIGN APPROACH USING SELF-DETERMINATION THEORY Bahar Şener¹ , Sıla Umulu¹ , Ayhan Ozan Yılmaz² 1: Middle East Technical University, Department of Industrial Design, Turkey; 2: Biyomod, Turkey DIGITAL KNOWLEDGE TRANSFER FOR ADDITIVE MANUFACTURING USING BLENDED LEARNING Sebastian Kuschnitz¹ , Lukas Valentin Hoppe² , Paul Christoph Gembarski² , Roland Lachmayer² , Thomas Vietor¹ 1: Technische Universität Braunschweig, Institute of Engineering Design, Germany; 2: Leibniz Universität Hannover, Institute of Product Development, Germany STRATEGY TO LINK AND DEVELOP SENIOR DESIGN STUDENT'S PROJECTS WITH LOCAL INDUSTRY Mariano García Martínez , Rodrigo Chavez Heres , Alejandro Acuña Instituto Tecnológico y de Estudios Superiores de Monterrey, Mexico | 1D Location: Dorothee Pullinger Chair: Eoin White , University of Limerick AGING COLLABORATIONS: CO-DESIGNING FUTURE TECHNOLOGY OPPORTUNITIES Linda Shora¹ , Shika Hurrdyass¹ , Richard Thompson² , Rachel Salzano¹ , James Marsh¹ , Zuzanna Marchewka¹ , Thelma Babbs¹ , Sharon Jackson-Karr¹ , Martha Lis¹ , Reece Leslie¹ , Michael Ellis³ 1: School of Computing, Edinburgh Napier University, United Kingdom; 2: School of Creative Industries, Edinburgh Napier University, United Kingdom; 3: tapint@T, Edinburgh, United Kingdom HOW TO GET STUDENTS – FROM DIFFERENT BACKGROUNDS AND WITH NO EXPERIENCE IN DESIGN – GOING Arthur Wier Consultant, writer and lecturer on subjects such as Architecture, Graphic- and Industrial Design EMBEDDING IMMERSIVE TECHNOLOGIES INTO PRODUCT DESIGN EDUCATION: STUDENTS' AWARENESS OF VIRTUAL REALITY AS A TOOL TO SUPPORT THE DEVELOPMENT OF DESIGN SOLUTIONS Laila Al Jahwari , Vanja Garaj , David Harrison Brunel University London, United Kingdom 'ART EXPERIENCES' AS DISRUPTIVE IMPULSE AND MENTORING FOR NEW DESIGN ENGINEERING EDUCATION STRATEGIES Marina-Elena Vaes Hochschule Niederrhein University of Applied Sciences, Germany INVENTING AND PATENTING USING HALF-CAUSATION: NEW PHILOSOPHICAL TOOLS FOR ENGINEERING DESIGN EDUCATION Mo Abolkhair , Michael Wisnom University of Bristol, United Kingdom | 1E Location: Marianne Brandt Chair: Erik Bohemia , Oslo Metropolitan University ARTICULATING MODERN ENGINEERING CHALLENGES USING AN ARTEFACT STUDY THROUGH TIME Jeff Barrie University of Bristol, United Kingdom 10:45am - 11:05am THINKING BEYOND THE PRODUCT MOMENT: ADDRESSING ISSUES AROUND "KEEPING" Clare Green^{1,2} 1: ISD, Rubika, Valenciennes, France; 2: UNIMES, France COLLABORATIVE LEARNING IN INTERNATIONAL INTERDISCIPLINARY TEAMS Miroslava Nadkova Patrova¹ , Ricardo Galdes Plumatti² , Milagros Diez Cansaco Castro De Steffen² , César Rubén Luchó Lingán² 1: Universidad de Monterrey, Mexico; 2: Pontificia Universidad Católica del Perú, Perú 11:05am - 11:25am ANTICIPATIVE CO-CREATION METHOD Nina Björnstad¹ , Cheryl Akner Koeler² 1: The Oslo School of Architecture and Design, Oslo, Norway; 2: Konefack University of Arts, Crafts and Design, Stockholm, Sweden DESIGN FOR PUBLIC ENGAGEMENT AND AWARENESS: EQUIPPING DESIGN STUDENTS WITH EMPATHY AND SOCIAL RESPONSIBILITY SKILLS Susana Soares¹ , Alison Alvarez² 1: London South Bank University, United Kingdom; 2: London South Bank University, United Kingdom | |
| 12:45pm - 1:30pm | LUNCH Location: Ida Bould | | | | | |
| 1:30pm - 3:30pm | 2A Location: Ada Lovelace Chair: Ben Clarke , London South Bank University DESIGN AS A TOOL TO REDUCE FOOD WASTE: PRESENTATION OF SALVAGE FOOD IN GROCERY STORES Maja Wawrzyniak Soleng Oslo Metropolitan University, Norway INVERTED CLASSROOM TO ENHANCE ENGAGEMENT AND CRITICAL THINKING Mithra Zahedi , Virginie Tessier , Sarah Tannir , Marie-Pier Aubry-Boyer University of Montreal, Canada EVALUATION OF WORKBOOKS AS AN ACTIVE LEARNING TOOL FOR INDUSTRIAL DESIGN ENGINEERING Peter Törnlind , Asa Wikberg-Nilsson Luleå University of Technology, Sweden HOW TO PROFESSIONALISE A SERIOUS GAME? APPLICATION TO "LINO HAS AN IDEA!" Robin Enoc¹ , Romain Kerloc'h¹ , Camille Jean^{1,2,3} , Nicolas Maranzana¹ 1: Arts et Métiers Institute of Technology; 2: LCPi; 3: HESAM Université RADICALLY INNOVATING THE AUTOMOTIVE DESIGN PROCESS WITH IMMERSIVE TECHNOLOGIES Juan Antonio Islas Munoz¹ , Ehsan Baha^{1,2} , Gjoko Muratovski³ 1: University of Montreal; 2: Delft University of Technology; 3: Deakin University, Melbourne, Australia | 2B Location: Agnes Kaposi Chair: Oscar Tomco , Eissaava School of Design and Engineering / Eindhoven University of Technology GROUP IDEATION WITH BRAINWRITING – A COMPARISON OF CO-LOCATED AND DISTANCE COLLABORATION Markus Vogl¹ , Hulusi Bozkurt¹ , Thorsten Sauer² , Marc Nitzmann² 1: DHBW Baden-Wuerttemberg Cooperative State University Mannheim, Germany; 2: DHBW Baden-Wuerttemberg Cooperative State University Ravensburg, Friedrichshafen, Germany DEVELOPMENT OF ASSISTIVE TECHNOLOGIES TO ADDRESS THE NEEDS OF INDIVIDUALS WITH MILD COGNITIVE IMPAIRMENT IN THE PURSUIT OF INDEPENDENT LIVING Christina Choi¹ , Wendell Wilson¹ , Brian Jones² , Jennifer Dubose³ , Kayci Vickers⁴ 1: Georgia Institute of Technology, School of Industrial Design; 2: Georgia Institute of Technology, AVARE Home Initiative; 3: Georgia Institute of Technology, College of Design; 4: Department of Neurology, Neuropsychology Section; Emory University School of Medicine COMPUTATIONAL DESIGN, ADVANCED VISUALISATION, AND THE CHANGING NATURE OF CAD Lewis Urquhart , Konstantinos Petrakis , Andrew Wodehouse University of Strathclyde, United Kingdom DESIGN SPRINT METHODOLOGIES TRANSFORMED IN A DIGITAL ENVIRONMENT Karen Elizabeth Winfield¹ , Nicolette Dullesco Sizer² , Francesco Luke Siena¹ 1: Product Design Department, School of Architecture Design & The Built Environment, Nottingham Trent University, United Kingdom; 2: Engineering Department, School of Science & Technology, Nottingham Trent University, United Kingdom USING DIGITAL TECHNOLOGIES FOR COLLABORATIVE CONCEPTUAL DESIGN Joseph Mills , Ross Brisco University of Strathclyde, United Kingdom | 2C Location: Beatrice Shilling Chair: Jeff Barrie , University of Bristol MULTIDISCIPLINARY INNOVATION ARMENIA: EXPLORATIONS IN DESIGN-LED MULTIDISCIPLINARY ENTERPRISE EDUCATION Mark Bailey¹ , Arman Arakelyan¹ , Nick Spencer¹ , Justine Carrion-Weiss¹ 1: Northumbria University, United Kingdom; 2: American University of Armenia, Armenia DESIGNING TO ENABLE AN AGEING WORKFORCE Ian de Vere , Wai Dim , Jacob Sheahan RMIT University, Australia EMBEDDING SUSTAINABILITY IN THE ENGINEERING CURRICULUM: A COMPLIMENTARY APPROACH TO SUSTAINABLE ENGINEERING AND SUSTAINABLE DESIGN Ahmed Tamkin Butt , Edward William Causton , Matthew Alan Watkins Nottingham Trent University, United Kingdom CRITIQUE: A WORKSHOP TO ESTABLISH SHARED UNDERSTANDING AND CLEAR RESPONSIBILITIES BETWEEN DESIGN STUDENTS AND THEIR LECTURERS Lore Brosens^{1,3} , Elien De Vos^{1,2,3} , Marina Emmanouil^{1,3} 1: Design.Nexus research group Ghent University, Belgium; 2: mec-mid-Ugent, Belgium; 3: Department of Industrial Systems Engineering and Product Design, Ghent University, Belgium SYSTEMS THINKING AND INTERDISCIPLINARITY IN DISCIPLINARY DESIGN EDUCATION Malene Pilgaard Harsaae , Thomas Østergaard , Anne-Louise Bang VIA University College, Denmark | 2D Location: Dorothee Pullinger Chair: Liz Newton , London South Bank University FRAMEWORK FOR CRISIS-RESISTANT ENGINEERING PRODUCT DEVELOPMENT COURSES Maximilian Schramek¹ , Patrick Rosenberger¹ , Manfred Grafinger¹ , Niccolò Becattini² , Stanko Škec² , Nikola Vukašinović⁴ 1: Technical University of Vienna, Austria; 2: Politecnico di Milano, Italy; 3: University of Zagreb, Croatia; 4: University of Ljubljana, Slovenia UTILISING MR TECHNOLOGIES FOR ESSENTIAL PROJECT-BASED LEARNING IN DESIGN EDUCATION Santosh MAURYA¹ , Yuval Kahlon² , Takuya Oki² , Jiang Zhu² , Momoko Nakatani² , Yufei Liu² 1: Hitachi Ltd., Japan; 2: Tokyo Institute of Technology 1:30pm - 1:50pm INTERVENTIONS REQUIRED TO SUPPORT JAPANESE HIGH SCHOOL TEACHERS TO FACILITATE DESIGN-BASED PROJECTS Leon LOH , Noriko TAKANO , Moe SHIMOMURA , Yanfang ZHANG Kyushu University, Faculty of Design, Japan HOW TO ENABLE ENGINEERING STUDENTS TO APPLY SUSTAINABLE SOLUTIONS IN THE PRODUCT DEVELOPMENT PROCESS Sinah Malik , Stefan Zorn , Olaf Kessler , Kilian Gerlicke University of Rostock, Germany IMPROVING THE EDUCATION EXPERIENCE IN A DESIGN HISTORY COURSE USING CANVA, INSTAGRAM AND LINKEDIN Bryan F. Howell , Asa River Jackson , Addie Payne Morgan Brigham Young University, United States of America | 2E Location: Marianne Brandt Chair: Sara Santos Figueiredo , Aalto University 1:30pm - 1:50pm ECOLOGICAL ETHICS: TOWARDS AN EDUCATION OF TECHNO-DIVERSITY Victor Petit¹ , David Santiago Perez¹ , Pauline Picot¹ , Lou Grimal¹ , Nadège Troussier¹ , Noël Fitzpatrick² , Claudine Gillet² 1:UTT, France; 2: Technological University Dublin, Ireland 1:50pm - 2:10pm A COLLABORATIVE APPROACH TO DIGITAL STORYTELLING IN HEALTHCARE SETTINGS Sana Behnam Asai¹ , Carolina Gill¹ , Kelly Umstead¹ , Raunak Mahtani¹ , Kristin Tully² 1: North Carolina State University, United States of America; 2: Department of Obstetrics and Gynecology, School of Medicine, University of North Carolina, United States of America TIMES OF CODE RED - LEARNING SUSTAINABILITY BY SYSTEMIC DESIGN Kristin Støren Wigum OsloMet, Norway APPLICATION GAP: UNEVEN GENDER PARTICIPATION IN INDUSTRIAL DESIGN INTERNSHIPS Betsy Rebecca Barnhart University of Kansas, United States of America DESIGN FOR SIBLINGS OF CHILDREN IN NEED OF INTENSIVE CARE Fien Huybrechts , Ivo Dewit University of Antwerp, Belgium | |
| 3:30pm - 4:00pm | BREAK Location: Ida Bould | | | | | |
| 4:00pm - 6:00pm | 3A Location: Ada Lovelace Chair: Philip Farrugia , University of Malta HOW GRAPHIC DESIGN CAN INFLUENCE THE PERCEPTION OF SUSTAINABLE FOOD PACKAGING Hanrik Kongsl Gjerde OsloMet, Norway NEW FOOTING FOR SERVICE DESIGN: ROOTS OF MEANING Emile Cognie , Severine Van Hoeske , Lien De Schepper , Ivo Dewit University of Antwerp, Faculty of Design Sciences, Department of Product Development AN INTEGRATED APPROACH TO STEM AND SUSTAINABILITY EDUCATION WITHIN THE NEW ZEALAND CONTEXT Euan Coutts , Alice Yorke , Teaghan Mower University of Canterbury, New Zealand REDUCING AIR POLLUTION IN CITIES: EVALUATE THE GAP IN POLICY ENGAGEMENT AND POLICY STRATEGIES Minh Nghiem OsloMet, Norway SYSTEMS-ORIENTED DESIGN AND DEMOCRACY Linda Blaasvaag¹ , Birger Sevaldson² 1: The Norwegian Labour and Welfare Administration; 2: The Oslo School of Architecture- and Design | 3B Location: Agnes Kaposi Chair: Anders Berglund , Mälardalen University SHEDDING LIGHT ON INDUSTRIAL DESIGN, EDUCATING PRODUCT DEVELOPERS FOR A SUSTAINABLE FUTURE IN DESIGN AND ENGINEERING EDUCATION Martin Luccarelli Research Center for Interactive Materials, School of Textiles & Design, Reutlingen University, Germany IS THERE A ZERO WASTE IN A FASHION DESIGN? Mara Binde¹ , Dr. Aija Freimane² 1: Art Academy of Latvia, Latvia; 2: TU Dublin School of Creative Art SWIM OR DROWN: TOSSING 1ST YEAR STUDENTS INTO THE COMPLEXITY POOL Isabel Ordóñez Pizarro , Guim Espelt Estopá , Ainoa Abella Garcia , Oscar Tomco Plasencia , Jessica Fernandez Cano ELISAVA Barcelona School of Design and Engineering, UVic-UCC, Spain | 3C Location: Beatrice Shilling Chair: Bryan F. Howell , Brigham Young University INNOVATIONS IN THE DESIGN OF AN ARCHITECTURAL ENGINEERING CURRICULUM Shannon Chance^{1,2} , Emanuela Tilley¹ 1: UCL; 2: TU Dublin SUCCESSES & CHALLENGES OF SUPPORTING PRODUCT DESIGN EDUCATION FOR DEAF & HARD OF HEARING LEARNERS DURING A PANDEMIC: A CASE STUDY Francesco Luke Siena¹ , Samuel Russell² , Richard Malcolm¹ , Emily Elizabeth Brook¹ , Allan Cutts¹ , Liam Martin¹ , Kevin Naik¹ 1: Product Design Department, School of Architecture Design & The Built Environment, Nottingham Trent University, United Kingdom; 2: Product Design Student, School of Architecture Design & The Built Environment, Nottingham Trent University, United Kingdom SKILLSLAB - PEER EDUCATION IN A RAPID CHANGING WORLD Hilde Van Dyck , Elke Mestdagh , Kristof Vaes , Alexis Jacoby University of Antwerp - Faculty of design sciences, Belgium 4:00pm - 4:20pm AN INTERACTIVE SPATIAL ABILITY TRAINING APPROACH FOR STEM EDUCATION Chi Hei NG , Leong Ying CHAN , Chun Yu CHUI , Yuen Suet LAI , Yi-Teng Shih The Hong Kong Polytechnic University, Hong Kong S.A.R. (China) 4:20pm - 4:40pm A DIDACTIC LOOK ON THE INTRODUCTION OF E PORTFOLIOS IN A PRODUCT DESIGN COURSE Maria Tyroller , Michael S. J. Walter , Charlotte Kaezler , Christian Riess University of Applied Sciences Ansbach, Germany | 3D Location: Dorothee Pullinger Chair: Nesrin Elmarrakbi , Northumbria University USE OF DESIGN OF EXPERIMENTS, DESIGN THINKING, AND DATA SCIENCE IN PRECISION AGRICULTURE Verónica Saavedra Gastélum , Carlos Alberto González Almaguer , Arturo González de Cosío Barrón , Claudia Zubieta Ramírez , Loures Jazmin Muciño Garcia , Hugo Kanji Fukumura Perez , Eduardo Caballero Tecnológico de Monterrey, Mexico 4:00pm - 4:20pm RE-EVALUATING LEARNING ENVIRONMENTS TO NURTURE STUDIO CULTURE Ceri Almqvist Technological University Dublin, Ireland 4:20pm - 4:40pm THE REDESIGN STUDIO: AN INTENSIVE EVIDENCE-BASED APPROACH FOR IDEATING PRODUCT AND UX/UI IMPROVEMENTS Öwain Padgley , Bahar Şener Middle East Technical University, Turkey 4:40pm - 5:00pm INVESTIGATING THE USE OF AUGMENTED REALITY IN THE DESIGN FOR ADDITIVE MANUFACTURING Gustavo Melo , Rohit Ravi , Lucas Jauer , Johnnes Henrich Schleifenbaum Digital Additive Production DAP - RWTH Aachen, Germany 5:00pm - 6:00pm ONLINE PARTICIPATORY TOOLS IN CLASSROOM AND RESEARCH SETTINGS Raunak Mahtani , Carolina Gill , Kelly Umstead , Sana Behnam Asai , Kristin Tully North Carolina State University, United States of America | 3E Location: Marianne Brandt Chair: Ross Brisco , University of Strathclyde PROFANE FAILURE IN ACTION Stefane Persaud , Bas Filipsen , Erik Thomassen TU Delft, Industrial Design Engineering, The Netherlands DOES ONLINE DIDACTICS AFFECT THE PERCEIVED QUALITY OF MACHINE DRAWING COURSES? Sergio Rizutti , Luigi De Napoli University of Calabria, Italy 4:00pm - 4:20pm DESIGN FOR SENTIMENT-ANCY: CONCEPTUAL FRAMEWORK TO IMPROVE USER'S WELL-BEING THROUGH FOSTERING EMOTIONAL ATTACHMENT IN THE USER EXPERIENCE WITH THEIR ASSISTIVE DEVICES Saiba Quagani¹ , Paul Lighterness² , Leon Williams² 1: Imnam Abdulrahman Bin Faisal University, United Kingdom A PAN-EUROPEAN TRANSFORMATION TO BRIDGE THE GAP BETWEEN TANGIBLE EXPERIENCE AND VIRTUAL IDEATING SPACES Marina-Elena Vaes¹ , Theresa-Marie Scholl¹ , Giulia D'Alao³ 1: Hochschule Niederrhein University of Applied Sciences, Germany; 2: Textile Design Engineer, Germany; 3: Politecnico Milano, Department Design, Italy PROJECT BASED LEARNING IN THE CONTEXT OF CUTTING-EDGE ROBOTICS COMPETITION Suk-Wai Winnie Leung¹ , Zevang Li² 1: Hong Kong University of Science and Technology, Hong Kong S.A.R. (China); 2: Shenzhen InnoX Academy SOCIAL MEDIA: ENABLING INCONSPICUOUS BLENDED LEARNING IN DESIGN EDUCATION IN INDIA Christy Vivek Gogu , Jyoti Kumar Indian Institute of Technology Delhi, India THE BEST OF TIMES: THE WORST OF TIMES: STUDENT DESIGN TEAM FORMATION Juan Felipe Ruiz , Renee Weaver Linköping University, Sweden | |
| 7:00pm - 10:00pm | Conference Dinner Location: Skyton Restaurant | | | | | |
| Date: Friday, 09/Sept/2022 | | | | | | |
| 8:00am - 9:00am | Breakfast Location: Ida Bould | | | | | |
| 9:00am - 10:00am | KEYNOTE 2 Location: Lecture Theatre | | | | | |
| 10:00am - 10:30am | BREAK Location: Ida Bould | | | | | |
| 10:30am - 12:30pm | 4A Location: Ada Lovelace Chair: Ingrid Mulder , Delft University of Technology DESIGN EDUCATION DOES NOT EXIST IN A VACUUM Sinead Ouilion , Paul Magee , Andree Woodcock Coventry University, United Kingdom CREATIVE DESIGN ACTIVITIES TO SUPPORT THE COMPLEX LEARNING ENVIRONMENT OF THE CLASSROOM FOR CHILDREN WITH AUTISM SPECTRUM DISORDER (ASD) Nesrin Elmarrakbi , Heather Robson , Lucy Currie Northumbria University, United Kingdom 10:30am - 11:00am A USER STUDY FOR FACILITATING EFFECTIVE REMOTE EDUCATION IN DESIGN STUDIOS: TOWARDS INTEGRATION OF CYBER-PHYSICAL TECHNOLOGIES INTO DESIGN EDUCATION Yuval Kahlon¹ , Momoko Nakatani¹ , Haruyuki Fujii¹ , Takuya Oki¹ , Jiang Zhu¹ , Santosh Maurya² 1: Tokyo Institute of Technology, Japan; 2: Hitachi Ltd., Japan 10:50am - 11:10am EXPERIENCES FROM TEACHING CIRCULAR ECONOMY CONCEPTS TO ENGINEERING STUDENTS Reyn O'Boon , Anette Heimdal University of Agder, Norway 11:10am - 11:30am DIGITAL LEARNING ENVIRONMENTS TO SUPPORT DESIGN EDUCATION Lukas Valentin Hoppe¹ , Sebastian Kuschnitz² , Paul Christoph Gembarski¹ , Thomas Vietor¹ , Roland Lachmayer¹ 1: Leibniz Universität Hannover, Germany; 2: Technische Universität Braunschweig, Germany | 4B Location: Agnes Kaposi Chair: Louise brigid Kiernan , University Limerick 10:30am - 11:30am DESIGNING OUT UNWANTED HEALTHCARE FUTURES: A NEW FRAMEWORK FOR HEALTHCARE DESIGN INNOVATION WITH INTENT Anna Berenika Wojdecka¹ , Ashley Hall¹ , Tibor Balint² 1: Royal College of Art, United Kingdom; 2: NASA JPL PEDAGOGY OF PROCESS: INTERDISCIPLINARY CASE STUDIES FROM AN IRISH UNIVERSITY Orhlaith Málread Ní Bhráin , Louise Brieger Kiernan , Bernard Hartigan , Eoin White , Hannah Fahy , Kathleen Turner University of Limerick, Ireland TEAM BASED PROJECTS FOR MASTERS DEGREE THESIS IN DESIGN EDUCATION Yong Se Kim University of Turku, Finland DESIGN AND ENGINEERING PEDAGOGIES AS AGENTS FOR DISRUPTION, INNOVATION AND TRANSFORMATION AND THE REVERSE PSYCHOLOGY ACROSS DISCIPLINES Dasharath Andrews , Elizabeth J. Newton , Bon Lishman London South Bank University, United Kingdom 11:30am - 11:50am MYRUBRIC, A CO-CREATIVE JOURNEY TO ACTIVATE RESILIENT LEARNING COMMUNITIES Paula Hueso Espinosa , Stefan Persaud , Elisa Giaccardi Delft University of Technology | 4C Location: Beatrice Shilling Chair: Matthew Watkins , Nottingham Trent University BEHAVIOURS, PRACTICES, ACTIVITIES, DOINGS: MAKING THEM SUSTAINABLE THROUGH DESIGN Wanjuan Chu¹ , Renee Weaver² 1: Division of Human-Centered System, Department of Computer and Information Science, Linköping University, Sweden; 2: Division of Product Realisation, Department of Management and Engineering, Linköping University, Sweden STUDENT EXPERIENCE OF ONLINE INTERNATIONAL DESIGN STUDIO PARTICIPATION Loghina Plakova , Klarkova Vlada , Erik Bohemia , Tatiana Semicheskayaya , Anna Solovyova RUDN, Russian Federation TOOLKIT THAT SUPPORTS THE DEVELOPMENT OF A SUSTAINABLE PRODUCT-SERVICE SYSTEM Elaine Albert , Ivo Dewit University of Antwerp, Faculty of Design Sciences, Department of Product Development EXPLORING SENSUOUS QUALITIES OF TEXTILES Monica Louise Hartvigsen¹ , Karen Marie Hasling² 1: Design School Kolding; 2: Design School Kolding PERFECTION VS IMPERFECTION - EVOLVING PERCEPTUAL QUALITIES OF CONCRETE Tara Harb , Tatjana Leblanc University of Montreal, Canada | 4D Location: Dorothee Pullinger Chair: Charlotte Asbjörn Sørensen , Malmö University EXPERIENCES WITH EMOTIONAL DESIGN Jeanette Helleberg Dybvik OsloMet – Oslo Metropolitan University ONBOARDING, A LEARNING APPROACH TO OVERCOME ADDED THRESHOLDS WITH EXTENSION REALITY Anders Berglund Mälardalen University, Sweden SOFT SYSTEMS AND AGILE METHODOLOGIES IN THE SUCCESSFUL DEFINITION OF ACTIVITIES FOR DESIGN ACADEMIC PROJECTS IN TECNOLOGICO DE MONTERREY ABSTRACT Carlos Alberto González Almaguer , Edgar Alejandro Barbosa Saucedo , Clayton Zubieta Ramirez , Carlos Rafael Gomez Valdez , Natalia Frías Reid , Diana Rebeca Lugo Cruz , Rebeca Suárez , Miguel Rocha Tecnológico de Monterrey Campus Queretaro, Mexico 10:30am - 10:50am NEO-CRAFT AS A TREND TO DESIGN A NEW TYPOLOGY OF 3D PRINTED PRODUCTS Luis Miguel Gutierrez Contreras , Luis Alberto Cordoba , Aléjandro Acuña Tecnológico de Monterrey, Mexico 10:50am - 11:10am PRODUCTS WITH PROVENANCE: DEVELOPING A SENSE OF PLACE IN PRODUCT DESIGN EDUCATION Lyndon Buck Aston University, United Kingdom | 4E Location: Marianne Brandt Chair: Sue Fairburn , Kwantlen Polytechnic University VARIOUS FORMS OF EXECUTING PEER REVIEWS IN CIVIL ENGINEERING EDUCATION Anette Heimdal , Ingrid Lande University of Agder, Norway 10:30am - 10:50am EVALUATING LEARNING EXPERIENCE AND EMOTIONAL TRIGGERS OF VIRTUAL LEARNING ENVIRONMENTS (VLES) USING PSYCHOALGVAIC REFLEXES AND BEHAVIOURAL ANALYSIS Abhijeet Kujur , Sadaf H. Khan , Jyoti Kumar Indian Institute of Technology, Delhi, India. PROJECT BASED LEARNING IN THE CONTEXT OF CUTTING-EDGE ROBOTICS COMPETITION Suk-Wai Winnie Leung¹ , Zevang Li² 1: Hong Kong University of Science and Technology, Hong Kong S.A.R. (China); 2: Shenzhen InnoX Academy SOCIAL MEDIA: ENABLING INCONSPICUOUS BLENDED LEARNING IN DESIGN EDUCATION IN INDIA Christy Vivek Gogu , Jyoti Kumar Indian Institute of Technology Delhi, India THE BEST OF TIMES, THE WORST OF TIMES: STUDENT DESIGN TEAM FORMATION Juan Felipe Ruiz , Renee Weaver Linköping University, Sweden | |
| 12:30pm - 1:30pm | LUNCH Location: Ida Bould | | | | | |
| 1:30pm - 3:30pm | 5A Location: Ada Lovelace Chair: Linda Shora , Edinburgh Napier University LESSONS LEARNED FROM A DESIGN-DRIVEN ENTREPRENEURSHIP PROCESS THAT BRIDGES ACADEMIC RESEARCH AND DESIGN EDUCATION Orhlaith Ní Bhráin^{1,2} , Eoin White^{1,2} , Hartigan^{1,2} , Megan O'Mahony¹ 1: School of Design, O'Connell Limerick, Ireland; 2: Health Research Institute; 3: Irish World Academy of Music and Dance INDUSTRIAL DESIGN EDU CENSUS Carly Higgins¹ , Benjamin Bush² , Verena Paepcke-Hajtani³ 1: Western Michigan University, United States of America; 2: Auburn University, United States of America; 3: Iowa State University, United States of America PROBLEM SOLVING RACE: GAMIFICATION TO SOLVE INDUSTRIAL ENGINEERING PROBLEMS IN THE DISTANCE AND CLASSROOM LEARNING Carlos Alberto González Almaguer , Angéles Aguirre Acosta , Claudia Zubieta Ramirez , Claudia Lizbeth Salas Rivas , Elvia Itzabeta Rosas Herrera , María Lule Tecnológico de Monterrey, Mexico TOWARDS VALUE-DRIVEN EXPERIENCE DESIGN BY MINDING THE GAP BETWEEN VISUAL-OLFACTORY PERCEPTION SuYoung Kim Sapporo City University, Japan ENDING UP AT THE BEGINNING – TEACHING MATERIAL-DRIVEN DESIGN TO ENGINEERING STUDENTS Fredrik Henriksson Linköping University, Sweden | 5B Location: Agnes Kaposi Chair: Markus Vogl , DHBW Baden-Wuerttemberg Cooperative State University Mannheim 1:30pm - 1:50pm MULTI-GENERATIONAL LEARNING IN THE CONTEXT OF TOY DESIGNING Tae-yen Yeh , Yi-Teng Shih The Hong Kong Polytechnic University, Hong Kong S.A.R. (China) 1:50pm - 2:10pm A STUDY OF CONSIDERATIONS TO THE DESIGN CRITERIA FOR PARKING MAN, YI-TENG SHIH The Hong Kong Polytechnic University, Hong Kong S.A.R. (China) 2:10pm - 2:30pm TOY DESIGN: IMPROVING LEARNING EFFECTIVENESS FOR ADHD STUDENTS Mei Yue Liu , Lok Yiu Wong , Ho Yin Mak , Yi-Teng Shih The Hong Kong Polytechnic University, Hong Kong S.A.R. (China) IDENTIFYING ISSUES IN TEACHING THE PROBLEM-FINDING STAGE FACED BY INSTRUCTORS – A CASE STUDY ON SDGS CHALLENGE PROJECT IN HIGH SCHOOL Yanfang Zhang¹ , Leon Loh¹ , Noriko Takano¹ , Shimo Mura¹ , Christan CRUZ² 1: Kyushu University, Faculty of Design, Japan; 2: Yamaguchi University, Faculty of Global and Science Studies, Japan | | | | |