

E3_Universal Design Practice

Conference III

Design and Ergonomics

DESIGNING FOR INCLUSIVE LEARNING EXPERIENCE

Florence, 10 May 2019

Department of Architecture, DiDA

Santa Teresa

PROGRAM

9.00 - 9.30

WELCOME AND OPENING

Saverio Mecca, Director of Dipartimento of Architecture (DIDA)
Francesca Tosi, PUDCAD Coordinator WG UNIFI

THE PUDCAD PROJECT

Ozge Cordan, PUDCAD project Coordinator, ITU

9.30- 9.45

Ergonomics & Design - Inclusive Design

Francesca Tosi

9.45 -10.45

First session | DESIGN FOR INCLUSION

Chair: Ester Iacono

Designing an inclusive navigation app for Taşkıışla Building

O. Cordan, C. Yurdakul Tokar, E. Belkis Oksuz, D. Dincay, S. Semizoglu, *Turkey*

Accessible Services for Students with Disabilities at Hacettepe University in Turkey

H. Kayihan, O. Altuntas, M. Huri, Prof G. Bumin, *Turkey*

Revisiting the Principles of User-Centered Design

L. E. Fontana, *USA*

10.45-11.00 - COFFEE BREAK

11.00-12.30

Second session | GAME AND GAMIFICATION EXPERIENCE

Chair: Alessia Brischetto

Tiles and Patterns. Modular concept in PUDCAD learning game scenario

G. Buratti, M. Rossi, F. Costa, *Italy*

Interrelations Between Technology, Interface and Experience Design Decisions

G. Catak, C. Toker, *Turkey*

Children as superheroes: designing playful 3D-printed facemasks for maxillofacial disorders

P. Marti, C. Goracci, M. Sirizzotti, L. Franchi, *Italy*

Studies on Ergonomics of Immersive VR as a Design Environment with a Focus on Tools and Interfaces

C. Toker, H. Tastan, T. Tong, *Turkey*

Experience design for children through an interactive space - Scape the room game

L. Grazziotin Selau, C. de Lima, G. Brunello, G. Sacchet, *Brazil*

A Good Procedural Rhetoric for Good Gaming Practices

I. Patti, *Italy*

12.30-13.30

WORKSHOP PUDCAD RESULTS

Presentation of the students workshop results

13.30-13.30 - LUNCH BREAK

14.30-16.30

Third session | DESIGN FOR LEARNING

Chair: Antonella Serra

Introducing Design project concepts in an undergraduate lecture course

Young Mi Choi, *USA*

Ergonomics in Design. Then, Now and Tomorrow. Case M19 Campus

T. Sulkamo, *Finland*

A user-centred approach to visual communication: the design of safety training material for migrant farmworkers

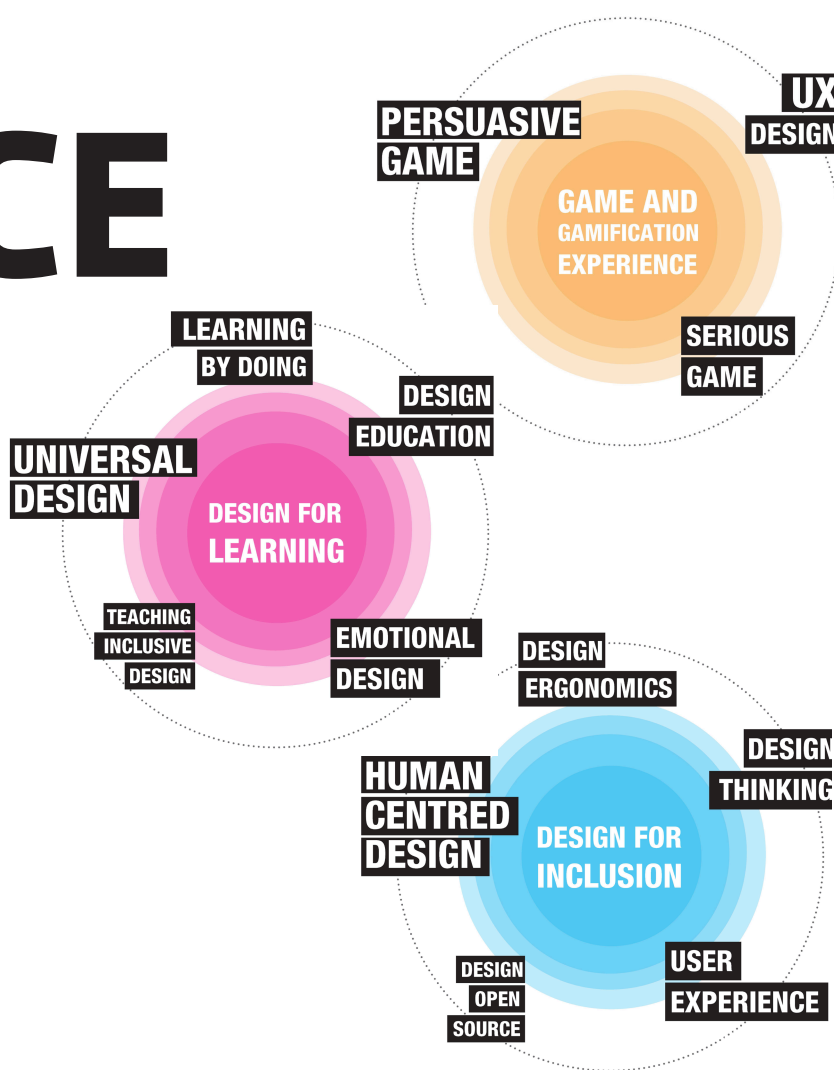
L. Vigoroso, F. Caffaro, M. Micheletti Cremasco, G. Bagagiolo, E. Cavallo, *Italy*

Inclusion of interdisciplinary three-dimensional (3D) printing education to university curriculum

G. Bumin, M. Huri, S. Kars, H. Kayihan, *Turkey*

Future Step of Basic Design: Between Synaesthesia Didactic and Virtual Learning

Yuan Liu, D. Riccò, D. Anna Calabi, *Italy*



Emotional Design and Neuroscience: definition and application of a tool for designers.

A. Paoletti, L. Di Lucchio, F. Babiloni, *Italy*

Teaching design thinking through flipped classroom

M. Canina, L. Anselmi, C. Bruno, *Italy*

DIGITAL SESSION

9.00 - 18.00

Design And Prototyping For Disability. WAVE Case Study

B. Lorenzo, C. Piergiorgio, G. Cecilia, R. Vittoria, F. Toso, M. Romero, *Italy*

Design And Prototyping For Disability. Dia Case Study

F. Ambrogio, A. Corrente Fornoni, J. Cifelli, F. Pian, M. Rossi, F. Toso, M. Romero, *Italy*

Design And Prototyping For Disability. “E2E (EAR-TO -EYE)” Case Study

S.o Cicero, C. Antea Erba, A. Forestan, D. Roncolato, F. Toso, M. Romero, *Italy*

Design And Prototyping For Disability. WARNI Case Study

M. Bertrams Casella, L. Casula, I.Cecchetto, E. Rossi, F. Toso, M. Romero, *Italy*

Design And Prototyping For Disability. PROTUM Case Study

L. Sguotti, G.Forza, M. Galeotti, X. Feng, A. Villar Arribas, F. Toso, M. Romero, *Italy*

IRIS – Blind Assistive for Identification of Indian Currency Notes

M. Teja, M. Chilmulwar, *India*

Mobility System for Hippotherapy: the Development Process

G. Neto Ferrari, B. Montanari Razza, F. Clareth Colman, M. de Lourdes Santiago Luz, P. Conceição Rocha de Oliveira, G. Neto Ferrari, M. Cesar Spolti Ferreira, B. Isamu Obana, L. de Oliveira Brancalhão, *Brazil*

Postural Responses to Accommodate for Pupillary Reflex in Diagnostic Radiologists.

H. Wasser, J. Ho, *USA*

Learning through correlative understanding

Sooraj S S, *India*

Universal distance design for accessible radical collaboration in education

A. Kern, *USA*

Teaching UD in different curricula and professional areas

I. Tiziana Steffan, *Italy*

A Framework to Support Inclusive Design Teaching and Product Evaluation: Application in Overcoming Barriers in Food Preparation for Elderly Visual Impaired People

G. Gomez, S. Wakes, *New Zealand*

POSTER SESSION

12.30- 13.30

Role-playing Living Lab (RpLL) Method: Maker participation through user-generated content of role-playing activities

E. Moon, S. Schneider, L. Mercer, *USA*

Parameter of Inclusive Design for Spaces of Learning: new methods in Design education

K. Herrmann, U. Nether, *Germany*

Requirements for inclusive experiences in design knowledge transfer

D. Busciantella Ricci, M. Ventin, *Italy*

No one excluded: designing multisensory environments' experiences for children's learning

G. Cosentino, M. Gelsomini, V. Arquilla, *Italy*

Conversational agents teach how to manage psychological disorder to Humans

P. Lanotte, V. Arquilla, *Italy*

16.30 - 17.00 - CONCLUSION

Access to the Conference and Lunch Buffet is free for Students and Teachers who are members of the PudCad Project. For Students, Teachers and Staff of the University of Florence, admission to the Conference is free, subject to availability. For the participation to the Lunch is required the reservation with

contribution of Euro 20,00. The request for access to the Conference and/or participation in the LUNCH must be sent by 7 May 2019 by filling in the LISTENERS - REGISTRATION FORM.

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PUDCAD - Practicing Universal Design Principles in Design Education through a CAD-based Game