

NOIHZAA BAITXAT DNA NDISAD BECONSLBNCLION



PAD. Pages on Arts and Design

International, peer-reviewed, open access journal

founded by Vanni Pasca in 2005

Editor-in-Chief

Marinella Ferrara

Design Professor, Politecnico di Milano, Italy

Advisory Board

Tevfik Balcıoğlu

Yaşar University, Izmir, Turkey

Murat Bengisu

Izmir University of Economics, Turkey

Izmir Universit

Design History Foundation, Barcelona, Spain

Eduardo Corte Real

UNIDCOM/IADE, Lisbon, Portugal

Antonio da Cruz Rodrigues

Universidad Lusofona, Lisbon, Portugal

Soumiya Mikou

Moroccan Design Association, Casablanca, Morocco

Vanni Pasca

Italian Association of Design History, Milan, Italy

Ely Rozenberg

RUFA, Rome University Fine Art, Rome, Italy

Mireia Frexia Serra

Gracmon, Universitat de Barcelona, Spain

Andreas Sicklinger

Università di Bologna, Italy

Fedja Vukić

University of Zagreb, Croatia

Managing Editor

Chiara Lecce

Politecnico di Milano, Italy

Editorial Assistant

Giorgia Bonaventura

Politecnico di Milano, Italy

Editorial Board

Giuseppe Amoruso

Politecnico di Milano, Italy

Helena Barbosa

University of Aveiro, Portugal

Stefania Camplone

Università di Chieti-Pescara, Italy

Roberto De Paolis

Politecnico di Milano, Italy

Cinzia Ferrara

Università degli Studi di Palermo, Italy

Francesco E. Guida

Politecnico di Milano, Italy

Ashley Hall

Royal College of Art, London, England

Elif Kocabivik

Izmir University of Economics, Izmir, Turkey

Lia Krucken

Creative Change, Brazil and Germany

Carla Langella

Università degli Studi della Campania Luigi Vanvitelli, Italy

Giuseppe Lotti

Università di Firenze, Italy

Tomas Macsotay

Pompeu Fabra University, Spain

Nicola Morelli

Aalborg University, Copenhagen, Denmark

Alfonso Morone

Università Federico II, Napoli, Italy

Raquel Pelta

Universidad de Barcelona, Barcelona, Spain

Daniele Savasta

Yaşar University, Izmir, Turkey

Rosanna Veneziano

Università degli Studi della Campania Luigi Vanvitelli, Italy

Artemis Yagou

ICOHTEC, Munich, Germany

Li Zhang

Beijing Information Science and Technology University, China

Publishing Consultant

Vincenzo Castellana, Architect, Italy

Art Direction

Francesco E. Guida

Correspondents

Pascale Wakim (Lebanon)

Amina Agueznay (Morocco), Hèla Hamrouni (Tunisia), Vesna Kujovic (Montenegro), Can Özcan (Turkey), Ana Perkovic (Croatia), Filip Roca (Montenegro), Azadeh Sabouri (Iran), Marco Sousa Santos (Portugal),

Reviewers

Elisabetta Benelli, Murat Bengisu, Cristina Carvalho, Giovanni Conti, Carla Costa Pereira, Roberto De Paolis, Annalisa Di Roma, Claudio Gambardella, Vittorio Linfante, Solen Kipoz, Gabriele Monti, Carla Morais, Dolores Morelli, Martina Motta, Barbara Pollini, Maria Antonietta Sbordone, Andreas Sicklinger, Benedetta Terenzi, June Tolsby, Davide Turrini

ΡΔΠ

via Festa del Perdono 1 – 20122 Milano – Italy via Roma 171 – 90133 Palermo – Italy info@padjournal.net – editors@padjournal.net

Publisher

Aiap Edizioni

via A. Ponchielli 3 – 20129 Milano – Italy aiap@aiap.it – www.aiap.it

PAD © ISSN 1972-7887 #20, Vol. 14, June 2021

www.padjournal.net

O. EDITORIAL #20

Fashion and Textile Design Reconstruction	006
by Gianni Montagna & Maria Antonietta Sbordone	
I. THEORETICAL OVERVIEW	
The Emergence of Sustainability and the Textile and Fashion Design Education by Sonia Seixas	019
New Trend Landscapes: Coronavirus' Long-Term Impact on Fashion and Trend Forecasting by Kellie Walters	039
Metamorphic Fashion Design. Nature Inspires New Paths for Fashion Communication by Elisabetta Cianfanelli, Debora Giorgi, Margherita Tufarelli, Leonardo Giliberti, Paolo Pupparo & Elena Pucci	060
Fashion and Work Organizational Ecosystem: Prospects and Post-COVID-19 Scenarios by Sandra Regina Rech & Giovanni Maria Conti	086
II. SUSTAINABLE APPROACHES	
Sustainable Fashion Trend. Enhancing Sustainability in Fashion through Visual Communication Media by Giulia Scalera	111
Sustainable Fashion: from Material to Immaterial through Biodesign by Chiara Del Gesso	130
New Advanced Clothes by Carmela Ilenia Amato	152

III DD/	CTICEC	PTOOLS
III. PK <i>F</i>	CTICES &	a iuula

Can Sustainability be Unsustainable? Paradoxes and Contradictions of a Necessary Evolution by Renato Stasi & Margherita Tufarelli	175
Coworkings as Focal Points for the Development of New Models for a Sustainable Fashion: Discourse and Practice by Giulia Bolzan de Morais & Karine de Mello Freire	193
Acting Responsibly. Design as a Sustainable Practice for Society by Roberta Angari & Gabriele Pontillo	213
The Human Touch. An Ethical Discussion on Sewing Technology in the Age of Digital Transformation by Juliet Seger	234
Culture, Fashion and Communication Design in Times of Emergency. Communication and Design Strategies for the Sustainable Improvement of the Fashion and Textile Production in the Indian Subcontinent by Rossana Gaddi & Roberto Liberti	259
IV. PROJECTS & DOCUMENTS	
Interview to Moda Portugal by Gianni Montagna & Maria Antonietta Sbordone	283
IV. BIOGRAPHIES	
About the Authors	295

Interview to Moda Portugal

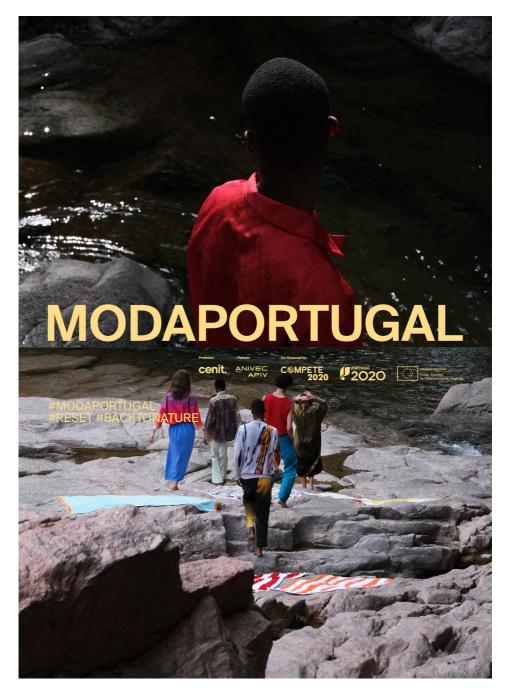
Gianni Montagna

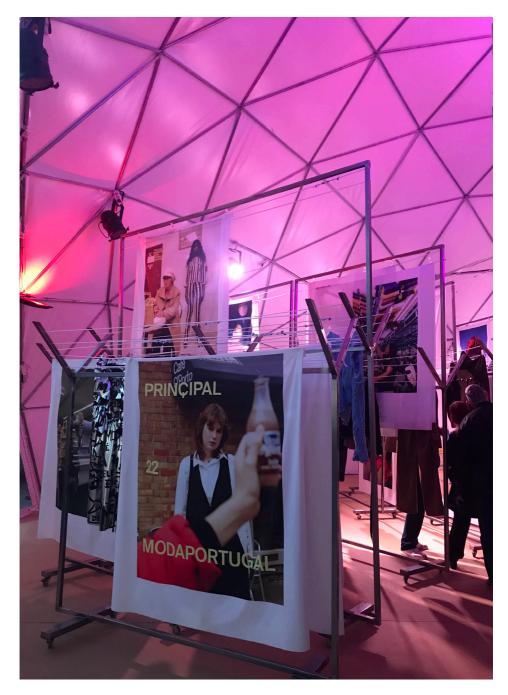
Universidade de Lisboa

Maria Antonietta Sbordone

Università degli Studi della Campania "Luigi Vanvitelli"







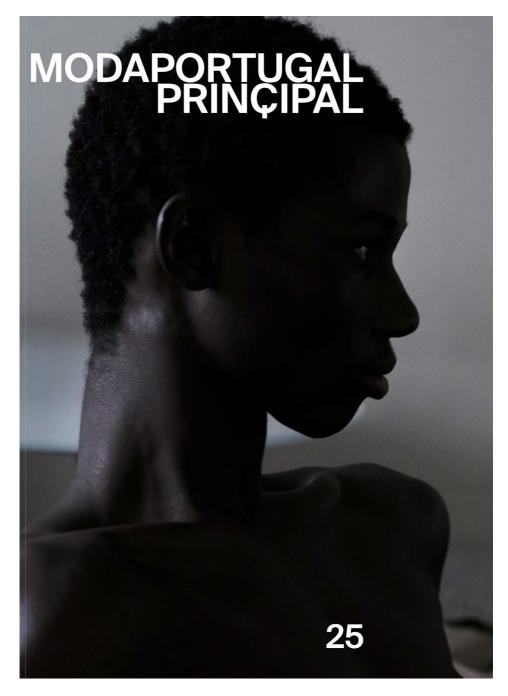
MODAPORTUGAL promotes the Portuguese fashion ecosystem. It showcases the several dimensions of the industry and conducts promotional events that highlight its key assets. From design to manufacturing, the initiative presents the traditional along with the most cutting-edge features of Portuguese companies as they embrace the future with a sustainable and planet-friendly approach.

Q: How as the Moda Portugal initiative born and why this need?

A: The strategy MODAPORTUGAL was created to promote the Portuguese textile and clothing sector as a whole in international markets. It aims to communicate that this sector is one of the best in Europe and, maybe worldwide, because it incorporates traditional know-how, allied with the best state of the art technology, the best R&D organizations and the continuous search for innovative and sustainable products and procedures.

Q: How is Moda Portugal organized?

A: MODAPORTUGAL is conducted by CENIT, which major partner is ANIVEC, the Portuguese Association of Clothing and Apparel Industry. CENIT designs and implements projects that are EU-subsidized. These projects help the Portuguese companies and designers to internationalize, by granting them support to participate in professional trade shows across the world dedicated to manufacturing and fashion. It also promotes several events in international markets that showcase the several dimensions of the industry and highlight its key assets.



It also features a monthly newspaper, Jornal Têxtil, a website dedicated to the fashion and industry ecosystem, <u>www.portugaltextil.pt</u> and a quarterly magazine called MODAPORTUGAL Principal.

Q: Taking into account the current challenges imposed by the emergence of Covid 19, how does Moda Portugal think it can help companies in their responses and what are the new chances for fashion?

A: During these pandemic times, MODAPORTUGAL has continued to support the Portuguese companies by issuing relevant information about the changes in legislation and governmental support measures for the daily day operations. It has also provided help as far as discovering other ways to do business in the lack of international trade shows, by presenting marketplaces and other B2B platforms that have been the only way for companies to contact their usual clients and to find some new ones.

Q: What does the transparency of companies mean today as a factor for success and survival?

A: The consumer is increasingly more informed and demanding. It has driven companies to better assess its preferences and transparency is one of the key features that consumer

looks upon when engaging relationship with a brand or a company. The way a garment is made, from design to the moment it reaches the consumer, it is now scrutinized and how it's perceived by the consumer is vital for the buying decision. The storytelling of this process is paramount and it should be done with sincerity and transparency. The Portuguese companies and brands are quite aware of this and are making changes to the way they communicate, so they can meet this new and demanding consumer.

Q: Territorial production and its sustainability are among the greatest challenges for companies at the moment. Companies produce in national territories, use finite national resources such as energy resources and export the product exclusively abroad, leaving in the different territories waste to be recycled and polluted common resources, with little gain for the community. What is the current role of companies in the social, cultural and identity enrichment of their territorial geography?

A: Companies are now dealing with sustainability in their daily operations. Progress has been made, but everyone is aware that a lot is yet to be done. Consumption is changing and companies are responding to these new trends trying to keep up with them, but above all, maintaining their business alive and the work places viable. When a company ends its operations, the local community is considerably affected, so the balance between doing business in an environmentally and, at the same time, socially responsible is quite a difficult exercise but it is already undergoing throughout the industry.









A: MODAPORTUGAL considers that the nearest future will be one of recovery. After this pandemic conjunctural times, the confidence felt by consumers will increase and fashion consumption will consequently rise. Companies and brands have taken some lessons from the past 12 months and we are convinced that they will efficiently know how to embrace digital, sustainability, new consumption trends and at the same time, combine it with the traditional and historic know-how deeply rooted in the Industry. We are optimistic and ready to help the Portuguese companies to thrive.

Credits

MODAPORTUGAL is a project promoted by CENIT (Portuguese Centre of Intelligence for the Textile Industry) and ANIVEC (Portuguese Association for Clothing and Apparel Industries). This initiative is co-funded by the European Regional Development Fund, through the Portugal 2020 Operational Programme for Competitiveness and Internationalisation.

The MODAPORTUGAL website is designed and maintained by Mountain Superstudio™ and built with Laytheme. Miguel Flor is the contributing editor for the News section, Eliana Macedo and Mariana Matos are the contributing writers, and Alex Finkle is the native English revisor.

All photo credits must be attributed to: cenit/modaportugal.







BIOGRAPHIES

Carmela Ilenia Amato

Italian fashion designer focused on the research of biomaterials and new technologies in the fashion industry for developing new body concepts. I have a Bachelor's degree in Fashion Design and a Master degree in Innovation Design from the University of Campania, Italy. I collaborate with research groups in fashion design, graphic communication, bio-materials and digital fabrication creatively investigating the material throughout develop smart, innovative and sustainable fabrics and assist in the research of innovative technologies and bio design applied to fashion.

carmelailenia.amato@studenti.unicampania.it

Roberta Angari

She is an Italian graphic designer. In 2015 she graduated in Design for Innovation at University of Campania "Luigi Vanvitelli". In 2020 she obtained a Ph.D degree in Architecture, City and Design - Design Sciences at University IUAV of Venice with the dissertation "Kono - Analysis and design of a digital archive of visual communication". Main focus of her line of research are data visualization, digital design and digital archive - knowledge acquired during her academic path. Since may 2020 she has a research grant entitled "Scientific Design for Medical Research", with tutor Carla Langella, at the University of Campania "Luigi Vanvitelli" - Department of Architecture and Industrial Design (DADI). At the same Department, she is Teacher Assistant of the course "Visual identity for Cultural landscapes" and "Ethic Communication", both held by Daniela Piscitelli.

roberta.angari@unicampania.it

Giulia Bolzan de Morais

Giulia Bolzan de Morais Megård, MsC in Design from Universidade do Vale do Rio dos Sinos (Unisinos). Strategic designer and trend researcher.

giubolzan@gmail.com

Elisabetta Cianfanelli

Architect and Industrial Design Specialist, is Full Professor at DIDA (Architecture Department) of University of Florence (Italy), Design Campus section. President of the CdLM in Fashion System Design, and scientific director of the DIDA Lab REI (Reverse Engineering & Interaction Design). Her research interests are related to the world of Small and Medium Enterprises concerning the development of new products and technologies applied to design and production. elisabetta.cianfanelli@unifi.it

Giovanni Maria Conti

Ph.D, Associate Professor, he is currently the Coordinator of Knitwear design Lab – Knitlab of the Fashion Design Degree at the Politecnico di Milano. Founder and Scientific Coordinator of the website/blog www.knitlab.org, he was executive secretary of Fashion Design Degree at the School of Design of Politecnico di Milano, he is Instituto Italo-Latino Americano – IILA expert collaborator in the Pymes Forum for cooperation projects on textile and fashion. He is Director of the Master in Fashion Direction: Product Sustainability Management at MFI (Milano Fashion Institute Consortium) and member of LeNS - International Learning Network on Sustainability.

giovanni.conti@polimi.it

Karine de Mello Freire

PhD in Design from PUC-Rio. Researcher at the Graduate Program in Design at Universidade do Vale do Rio dos Sinos (Unisinos). Researches Design for Social Innovation and Sustainability. Activist of design and social innovation in projects related to sustainability.

kmfreire@unisinos.br

Chiara Del Gesso

Designer and Phd Student at the department of Pianification, Design and Technology of Architecture of "Sapienza Università di Roma". Her doctoral research investigates the field of new paradigms of material and processes related to the theme of sustainability.

She is conducting her studies at the intersection of Design and Science, in particular related to the application of biologic processes in substitution of the conventional manufacturing processes, in order to exploit their potentiality in terms of new aesthetics, languages and fruitions patterns. She has conducted several department researches and experimentations in the field of biomaterials, obtained from the re-use of organic waste from the agri-food chain, and collaborated as teaching assistant on the topic. She is actually part of the team of the Interdepartmental Center Saperi&Co of Sapienza University.

chiara.delgesso@uniroma1.it

Rossana Gaddi

MS in Design and PhD in Design and technologies for the enhancement of cultural heritage at Politecnico di Milano. From 2020, she is assistant Professor at the Department of Architecture of the University "G. d'Annunzio" of Chieti-Pescara. She teaches communication design for the fashion system as contract professor in the inter-university consortia Poli.Design, Milan Fashion Institute (Politecnico di Milano, Bocconi University, Catholic University) and Ard&nt (Politecnico di Milano, Brera Academy).

Visiting Professor at the School of Fashion and Design (SOFD) of the GD Goenka University in Gurgaon (New Delhi, India) and at the EDC Business School (Ecole des Dirigeants et des Créateurs d'entreprise) in Paris.

From 2011 to 2020, she has been a contract lecturer at the School of Design of the Politecnico di Milano and from 2009 to 2018 research fellow at the Design dept of the Politecnico di Milano, developing research on communication for the fashion system and on the relationships between design, culture and territory.

rossana.gaddi@unich.it

Leonardo Giliberti

After the three-year course in Bologna in "Industrial Product Design" he graduated at CDLM in Fashion System Design at University of Florence. He is interested in the creative sphere, confronting different expressive disciplines such as illustration, painting, videomaking, DIY, gaming, musical composition and writing.

leonardo.giliberti@stud.unifi.it

Debora Giorgi

PhD, Architect, she is a Researcher in Design at the Dipartimento di Architettura of the University of Florence (DIDA-UNI-Fl). Since 1991 she works on the issues related to Sustainable Local Development and the social implications of the project starting from the Cultural Heritage.

For over 20 years she worked in projects in Ethiopia, Algeria, Tunisia, Morocco, Yemen, Jordan, Haiti, with the most important national and international donors WHC - UNESCO, UNCCD, World Bank, European Commission, WMF, AICS. Since 2011 she has been collaborating with the DIDA UNIFI especially in projects around Maghreb countries and in the social field promoting Social Design projects and workshops using co-design methodologies.

She is professor of Service Design at DIDA UNIFI, professor of Design for Cultural Heritage in the License Course in Design at Ecole Euro-Méditerranéen d'Architecture Design et Urbanisme de l'Université Euro-Méditerranéene de Fès EMADU – UEMF in Morocco and visiting professor in some universities in Mediterranean countries. debora.giorgi@unifi.it

Roberto Liberti

He is Associate Professor in ICAR 13 sector, Industrial Design with lectures in the Design for Fashion at the DADI Department of Architecture and Design Industrial from 2001. He is the coordinator of the Job Placement of the department and for Curricular Internships. In 2018 he obtained national scientific qualification as full professor I level (ssd ICAR 13). A scientific training gained in the national and international design environment gives him research and strategic planning skills in Design and Design for Fashion, thanks the relationship with supranational research and training institutions as lacocca Institute of Lehigh University USA; Oxford Brookes University, England; Saint Petersburg University of Technology and Design, Russia; Goenka University, New Dheli, India; Tecnologico de Monterrey, Campus Sonora Norte, Mexico; BIFT Bejing University of Fashion Technology, Beijing, China; ESMOD Japan, School of Fashion Design , Tokyo, Politecnico di Milano. roberto.liberti@unicampania.it

He is an Italian product designer. In 2015 he graduated in Design for Innovation at the University of Campania "Luigi Vanvitelli". In 2019 he obtained a Doctoral Research Fellowship in Environment, Design and Innovation at the University of Campania "Luigi Vanvitelli".

Main focus of his line of research are parametric design, medical design, and advanced manufacturing – knowledge acquired during his academic path. The Ph.D. course with industrial characterization has allowed him to carry out and consolidate his research activity, as well as at his university, also at the Escuela Técnica Superior de Ingeniería y Diseño Industrial (Universidad Politécnica de Madrid, Spain) and a company from Campania, based in Gricignano di Aversa, to design a system of innovative orthopedic devices through parametric design.

gabriele.pontillo@unicampania.it

Elena Pucci

A graduate of the CDLM in Fashion System Design, is interested in art, music and writing. She coordinates the virtual lab at DIDA (Department of Architecture) of the University of Florence (Italy), Design Campus section. Currently she works in communication projects of and for CDLM in Fashion System Design. She was involved in "Metamorphic Fashion Design" offering her contribution in the design of environments, as well as in the collection and organization of material. elena.pucci@stud.unifi.it

Paolo Pupparo

Graduated from the Master's Degree in Design at the University of Florence, currently a PhD student in "Sustainability and innovation for the built environment and product system design (cycle XXXVI - a.y. 2020/2021). During his research interests concerning the development of methodologies applied to creative processes.

He is currently engaged in the research project: "Design, Art and Business: innovation, strategy and sustainable channels for the creation of value", which focuses on the analysis and collection of information relating to the mapping of the relationships between Design, Contemporary Art and Companies starting from the Tuscan territory.

paolo.pupparo@stud.unifi.it

Sandra Regina Rech

She is an Associate Professor at the Santa Catarina State University (UDESC/Brazil) - Fashion Department; Tenured Professor of the Graduate Program in Fashion (PPGMODA/UDESC) - Professional Master's Degree in Apparel and Fashion Design and Leader of the Research Group on Fashion Design and Technology (UDESC/CNPq).

She was a Visiting Professor at the Politecnico di Milano (Italy) and was awarded a CAPES PVEX scholarship (2019/2020). She is the Editor-in-Chief of ModaPalavra e-periódico (UDESC), Coordinator of the laboratory FPLab - Futuro do Presente (UDESC), Collaborating Researcher at the University of Lisbon (CIAUD/Portugal), and Integrated Researcher at the Trendsobserver platform (Portugal).

Her areas of interest are focused on the following themes: Fashion Design, Trend Studies, Scenarios, Consumer Culture, Qualitative Research, Methodologies.

sandra.rech@udesc.br

Giulia Scalera

Designer and PhD, is a Research Fellow at the dept. DADI of the University of Campania "Luigi Vanvitelli". She is the author of "Il design nella società estemporanea" (2015) and "Open Brand. Nuovi linguaggi visivi per la moda" (2019); two monographs that represent her two main strands of research. One oriented to the study and innovation of design and production models of the design oriented industry and the other to innovation and experimentation, including design, of branding.

Since 2015 she has been teaching fashion and communication design courses at the Accademia delle Belle Arti di Napoli. Since 2009 she has been working as a professional visual designer and in 2017 she is co-founder of the Pluff design studio specialized in visual communication projects of national and international importance.

Among the main projects are the visual identity of the Italian Pavilion at the Venice Biennale (2015) and the creative direction of Milano Book City.

giulia.scalera@unicampania.it

297

Juliet Seger

She is a vocationally trained tailor, clothing engineer and designer. Her academic path at The University for Applied Sciences Hamburg (Clothing – Technology and Management B. Eng., 2019) and The University of Edinburgh (Design for Change MA, 2020) was paired with diverse practical experience in the fashion industry. Following placements in bespoke tailoring and an extensive tailoring training with the HOLY Fashion Group, she worked as technical designer and studio manager for menswear designer Alex Mullins in London and spent one season with Proenza Schouler in New York. For several years she led sewing workshops for children and supported the student sewing lab at HAW Hamburg. Her label PAID VACATION functions as creative platform for contemporary tailoring and made-to-order fashion design. Since Autumn 2020 Juliet is based in Berlin where she works as fashion product developer. **juliet@paidvacation.de**

Sónia Seixas

PhD student in Design, Fashion and Textile Designer, teacher of subjects related to fashion and textile design through Technological Specialization Courses and Technical Higher Education (level V ECVET), Professional Technical Courses (level IV ECVET) and, Modular Training Certified. Her research interests concern the design in the universe of fashion and textile related to education.

sonia.seixas@gmail.com

Renato Stasi

He has been involved in the creation of clothing and accessories collections for the fashion segment for almost thirty years, as a designer and responsible for the development of the collection, he has worked for several companies including the LVMH Group, Redwall, Hettabretz. He is an adjunct professor at the DIDA - UNIFI Department of Architecture, in the CDL in Industrial Design and CDLM Fashion System Design. Lecturer at IED, where he is the coordinator of two three-year courses. He has carried out supplementary teaching activities at the Politecnico di Milano for several years. He has held seminars and workshops in various universities. Stasi is Coordinator of the Steering Committee of the Master's Degree Course in Fashion System Design of the University of Florence - School of Architecture - DIDA.

Margherita Tufarelli

renato.stasi@unifi.it

Designer, PhD in Design. Currently a research fellow at DIDA (Department of Architecture) of the University of Florence (Italy), Design Campus section. The PhD thesis, with the title "future heritage and heritage futures. An exploration on meanings of the digitized Cultural Heritage" aimed at investigating the role that the digital archives of Cultural Heritage can have in the contamination between the culture of the past and contemporary creativity.

Her research interests concern the heritage/creativity sphere within the digital evolution; thus, the application, impact and opportunities that lie in the relationship between digital technologies and cultural heritage. She is currently working on a research project titled "Living archive. Disseminating and reusing the Fashion cultural heritage" founded by Regione Toscana.

margherita.tufarelli@unifi.it

Kellie Walters

She is a color, materials, and finishes (CMF) designer at Garmin International and previously at Newell Brands spanning professional experience in consumer electronics and home goods. She is also a published researcher on trend forecasting and CMF trends as well as a published theorist on future aesthetics after artificial general intelligence is created and society heads toward artificial superintelligence. Kellie is focused on the direct impact that social and political events have on future aesthetics and their relationship with the economics of design.

kelliekaydesign@gmail.com



PAD. Pages on a and Design

International, peer-reviewed, open access journal ISSN 1972-7887

#20, Vol. 14, June 2021

www.padjournal.net

