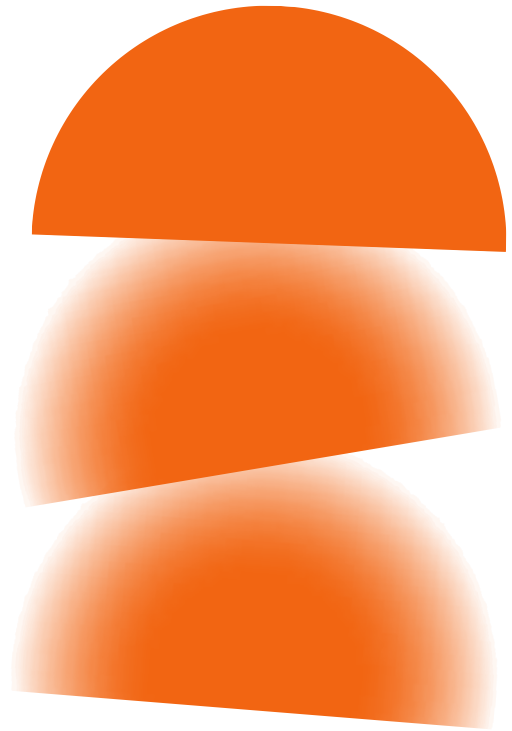


Eighteenth International Conference on
Design Principles & Practices

Cultures of Transformative Design



11-13 MARCH, 2024

UNIVERSITAT POLITÈCNICA DE VALÈNCIA,
VALENCIA, SPAIN



Andreu World

Eighteenth International Conference on Design Principles & Practices Conference Proceedings

<https://designprinciplesandpractices.com/about/history/2024-conference>

<https://el-diseno.com/acerca-de/historia/congreso-2024>

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Design as a Messenger: A New Way to Design through Food Waste

Stella Femke Rigo, Student, PhD, University of Genoa Unige, Genova, Italy

In response to the growing awareness and responsibility of the environmental impacts we generate and the consequent interest in the development of sustainable materials, the figure of the designer takes up the challenge and undertakes new design approaches. In particular, waste, mainly food waste, is transformed into resources through sharing practices and new designs. This attitude transforms the method by which designers conceive and implement their designs, introducing an ecological and ethical perspective to design. What kind of awareness can design create? The paper presents the results of a thesis developed in Ecology Futures in the Netherlands, which then became the basis for doctoral research on the application of design methods in the education and awareness phase of future designers. The project, "Design as a messenger," investigates and understands the development of new sustainable materials produced from waste, and seeks to convey impacts through installations and interactions with people within outreach events. The goal of the master's thesis is to empower a broad audience to self-produce possible reuses and recycling of waste materials and thus gain productive access to knowledge that becomes open and shared. Design as a messenger is a materials cataloging project with the writing of a cookbook that allows for a full understanding of the potential of materials and what they originate from, dividing them into macro-categories: waste material, processing, material output, and cataloging by types.

Attendance List

Muhammad Firzan Abdul Aziz, Universiti Sains Malaysia, Malaysia
Valerie Agostinho, FACULDADE DE BELAS ARTES DE LISBOA, Portugal
Omaymah Al Azhari, Sapienza University of Rome, Italy
Nathalia Albuquerque, Pontifical Catholic University of Rio Grande do Sul/
UCV- Doctoral School, Brazil
Inna Alesina, Stevenson University, United States
Hader Ali, BT, United Kingdom
Margo Annemans, University of Antwerp, Belgium
Tim Antoniuk, University of Alberta, Canada
Carla Aramouny, American University of Beirut, Lebanon
Syeda Asia, Udhya Learning Foundation, India
Ali Aslankan, Izmir University of Economics, Turkey
Amir Attia, California State University - Monterey Bay, United States
Yuzyl Nevin Aydin, Bahcesehir University, Turkey
Bay Backner, MESHfair, Spain
Roberta Barban Franceschi, Universidad Internacional de La Rioja, Spain
Ana Barroso, Universidade do Minho, Portugal
Fathi Bashir, Wollega University, Ethiopia
Tony Beldock, Bullock Texas State History Museum, United States
Donia M. Bettaieb, King Abdulaziz University, Saudi Arabia
Peggy Bloomer, Central Connecticut State University, United States
Jenel Braza, University of Nevada, Las Vegas, United States
John Bustard, Ulster University, United Kingdom
Carla Cadete, Lusófona University/HEI-Lab: Digital Human-
Environment Interaction Lab, Portugal
Arda Çalışkan, Bahçeşehir University, Turkey
Anson Call, Iowa State University, United States
Bilge Can, Istanbul Technical University, Turkey
Jason Carley, University of Notre Dame, United States
Olivia A Carye Hallstein, Tufts University, United States
Francesca Casnati, Politecnico di Milano, Design Department, PhD School,
Italy
Marco Cater, University of Nevada, Las Vegas, United States
Wonseok Chae, Bergische Universität Wuppertal, Germany
Esteve Sendra Chele, Universitat Politècnica de València,
Mei-Hsin Chen, University of Navarra, Spain
Sooshin Choi, Savannah College of Art and Design, United States
Nelson Coelho, BT, United Kingdom
Simona Colitti, University of Bologna, Italy
Cróna Connolly, UAL & ATU, Ireland
Eleonora D'ascenzi, University of Florence, Italy
Daisy De Ruiter, HZ University of Applied Sciences, Netherlands

Attendance List

Andy Deck, State University of New York at Oneonta, United States
Luca D'Elia, Sapienza University of Rome, Italy
Siddhali Doshi, Symbiosis Institute of Design, India
Jennifer Duby, MacEwan University, Canada
Scott Dunay, Pratt Institute School of Information, United States
Shoubhik Dutta Roy, MIT Institute of Design, MIT ADT University, India
Paul Egglestone, University of Newcastle, Australia
Ilze Eklsa (Loza), Zayed University, United Arab Emirates
Seham ElAlfy, Alexandria university, Egypt
Damayanthie Eluwawalage, Delaware State University, United States
Gizem Hediye Eren, Eskişehir Technical University, Turkey
Jeff Feng, University of Houston, United States
Ana Margarida Ferreira, LabCom and Universidade da Beira Interior, Portugal
Juliana Ferreira, Prom Beauty, Portugal
Mark Fetkewicz, University of Northern Colorado, United States
Aija Freimane, TU Dublin School of Art and Design, Ireland
Tatiane Cristine Froelich, Catholic University of Valencia San Vicente Mártir (UCV) and Pontifícia Universidade Católica do Rio Grande do Sul (PUC-RS), Spain
Francesco Galli, IULM University, Italy
Marcos García-Ergüín, University of Burgos, Spain
David Gardener, Northumbria University, Newcastle, United Kingdom
Bob Geldermans, University of Antwerp, Belgium
Mohammad Mehdi Ghiai, University of Louisiana at Lafayette, United States
Nandhini Giri, Purdue University, United States
Anna Gitelman, Suffolk University, United States
André Gomes, Universidade do Minho, Portugal
David Goss, The Ben Gurion University of the Negev, Beersheba, Israel
Rachele Gracci, University Sapienza of Rome, Italy
Anne-Marie Grundmeier, University of Education Freiburg, Germany
Christian Guellerin
Aroop Ratan Guha, The Royal Danish Academy, Denmark
Selin Gulden, Izmir University of Economics, Turkey
Lucy Hamilton, University of Leeds, United Kingdom
Spencer Hawkrigde, Université de Rennes 2, France
Richard Herriott, Design School Kolding, Denmark
Sebastian Hicks, Oxford Brookes, United Kingdom
Marianne Holbert, University of Colorado, United States
Sunki Hong, Carnegie Mellon University, United States
Tao Huang, East Tennessee State University, United States
Yong Huang, Bowling Green State University, United States
Alberto Iberbuden, Anhalt Univesity of Applied Sciences, Germany

Attendance List

Neela Imani, York University, Canada
Lorenzo Imbesi, Sapienza University of Rome, Italy
Derya Irkdas Dogu, İzmir University of Economics, Turkey
Tatyana Iudean, FAU, United States
Ian Jackson, Winchester School of Art, University of Southampton, United Kingdom
Hira Javed, University of Toronto, Canada
Yun Ji, University of Malaysia Sabah, Malaysia
Nanyi Jiang, Cornell University, United States
Siu Kiu San John, Hong Kong Metropolitan University, Hong Kong
Anna Jordan, Rochester Institute of Technology, United States
Luciana Jornada Lourenço, Pontifícia Universidade Católica do Rio Grande do Sul, Catholic University of Valencia San Vicente Mártir, Brazil
Keelan Kaiser, California Baptist University, United States
Gunakshi Kamble, BT, India
Didem Kan-Kilic, İzmir Ekonomi Üniversitesi, Turkey
Nandini Kapu, National Institute of Fashion Technology, India
Ipek Kastan-Uzun, İzmir University of Economics, Faculty of Fine Arts and Design, Turkey
Irem Naz Kaya Alkan, MEF University Faculty of Arts, Design, and Architecture, Turkey
Ruth Keogh, Atlantic Technological University, Ireland
M Javad Khajavi, Volda University College, Norway
Frederike Kintscher Schmidt, University of Wuppertal, Germany
Daniel Knox, Wrexham University, United Kingdom
Oleksandr Koshevyi, BT, United Kingdom
Katsuhiko Kushi, Kyoto Institute of Technology, Japan
Efe Kutuk, Kean University, United States
Mary Anna La Fratta, Western Carolina University, United States
Renee Lamb, Virginia Commonwealth University, United States
Emma Lee, BT, United Kingdom
Daniel Lee, University of Nevada, Las Vegas, United States
Jesper Falck Legaard, Designschool Kolding, Denmark
Zhifang Li, La Salle University, United States
Zijun Li, Lancaster Institute for the Contemporary Arts, United Kingdom
Xinxi Liu, Politecnico di Milano, Italy
Mark Lu, SINGAPORE POLYTECHNIC, Singapore
Cesar Lucho, Pontificia Universidad Catolica del Peru, Peru
Qing Luo, Oklahoma State University, United States
Birgit Mager, Cologne University of Applied Sciences, Germany
Laureen Mahler, Aalto University, Finland
Manuela Maia, ISEC Lisboa, Portugal
Sareh Malaki, Designer, Iran

Attendance List

Viktor Malakuczi, Sapienza University of Rome, Italy
Thomas Marotta, University of Technology Sydney (UTS College), Australia
Peter Martin, Virginia Commonwealth University Arts Qatar, Qatar
Marco Mason, Northumbria University, United Kingdom
Sylvie Mbula Nguma, antennae a television, Congo-Kinshasa
Richard Mc Murray, BT, United Kingdom
Isobel McLean, University of British Columbia, Canada
Vicki Meloney, Kutztown University, United States
Onur Mengi, Izmir University of Economics, Turkey
Anna Merry, Frederick University, Cyprus
Ed Mitchell, BT, United Kingdom
Burçin Mızrak Bilen, Özyeğin University, Turkey
Camilla Hedegaard Møller, Royal Danish Academy, Denmark
Subeshini Moodley, Nelson Mandela University, South Africa
Eunmi Moon, University of Illinois Urbana-Champaign, United States
Carmen Moret-Tatay, Universitat Politècnica de València, Spain
Robert Morgan, Washington University in St. Louis, United States
Kiersten Muenchinger, University of Oregon, United States
Rob Nicholson, BT, United Kingdom
Nataša Njegovanović, Faculty of Architecture , Croatia
Joana Oliveira, Instituto Politécnico de Portalegre, Portugal
Cecilia Padula, Politecnico di Torino, Italy
Mauve Page, Simon Fraser University, Canada
Doris Palmeros, University of the Incarnate Word, United States
Elizabeth K Park, Chaminade University of Honolulu, United States
Silvia Daniela Passos Soares, Universidade de Aveiro, Portugal
Chen Peilin, Institute for Information Industry, Taiwan
Pavlina Platonos, Frederick University, Cyprus
Dan Roger Pozza, Doctoral School, Catholic University of Valencia San Vicente Mártir, Spain
Owen Purvis, BT, United Kingdom
Marina Puyuelo Cazorla, Universitat Politècnica de València, Spain
Vijayalakshmi Ravi, NIFT, India
Anthony Rayworth, International Decorative Art & Design Association (IDADA), United Kingdom
Tarryn Rennie, Nelson Mandela University, South Africa
Claudia Ribeiro Pereira Nunes, Universidad Complutense de Madrid, Spain
Murray Richards, Queensland University of Technology (QUT), Australia
Stella Femke Rigo, University of Genoa Unige, Italy
Cátia Rijo, Escola Superior de Educação do Politécnico de Lisboa, Portugal
Pedro Roberto, Intensa, Portugal
Chris Roche, BT, United Kingdom
Charlotte Röhl, HZ University of applied Sciences, Netherlands
Ludovica Rosato, University of Bologna, Italy
Michal Rotberg, Independent Scholar, United States

Attendance List

Nellie Ruby, Agnes Scott college, United States
Margaret Rynning, Kristiania University College, Norway
Pedro Sáez Martínez, Universitat Politècnica de València, Spain
Begoña Sáiz, Universitat Politècnica de València, Spain
Kaleena Sales, Tennessee State University, United States
Tommaso Santilli, University of Macerata, Italy
Ashish Saxena, School of Planning and Architecture, India
Claudia Scaff, University of North Florida, United States
Heidi Schlegel, Rochester Institute of Technology, United States
David Schmidt, Fairfield University, United States
John Seefeldt, Western Carolina University, United States
Dalia Sendra Rodriguez, Unidade de Investigação em Design e Comunicação (UNIDCOM/IADE), Portugal
Meral Şentürk, Yıldız Technical University, Turkey
Sang-Duck Seo, University of Nevada, Las Vegas, United States
Hong Yi Shih, Texas Tech University, United States
Samira Shiridevich, University of North Carolina at Charlotte, United States
Angelica Sibrian, University of Illinois, Urbana-Champaign, United States
Jodie Silsby, Winchester School of Art, University of Southampton, United Kingdom
Abbie Simon, University of Tennessee, Knoxville, United States
Joseph Smyth, BT, United Kingdom
Xiaotong Song, Lancaster university, China
Leonardo Springer, ISEC Lisboa, Portugal
Shanel Steliga, University of Nevada, Las Vegas, United States
Eva Storgaard, University of Antwerp, Belgium
Junghwa Kim Suh, Chaminade University of Honolulu, United States
Martha Sullivan, Virginia Tech, United States
Giovanna Tagliasco, Università di Genova, Italy
Lakshay Talwar, AeSha Foundation, India
Xingyu Tao, Edinburgh Napier University, United Kingdom
Mia Ardiati Tedjosaputro, Xi'an Jiaotong - Liverpool University, China
Britta Teleman, Halmstad University, Sweden
Stephen Temple, University of Texas at San Antonio, United States
Amanda J. Thompson, University of Alabama, United States
Simon Thorne, BT, United Kingdom
Braden Trauth, University of Cincinnati, United States
Gillian Treacy, The University of Edinburgh, United Kingdom
Efren Trevisan, La Sapienza University, Italy
Amy Trick, Clemson University, United States
Derya Zulal Ugurlu, Bilkent University, Turkey
Andrea Upton, BT, United Kingdom
Lene Utigard, Kristiania University College, Norway
Rozina Vavetsi, New York Institute of Technology, United States
Samantha Vettese, Edinburgh Napier University, United Kingdom

Attendance List

Lourenço Viana, CIAUD, Research Centre for Architecture, Urbanism and Design, Lisbon School of Architecture, Universidade de Lisboa, Portugal

Marina Vigorchuk, SimpleOne, Russian Federation

Nadine Wathen, Western University, Canada

Andrea Wheeler, Iowa State University, United States

Lisa Winstanley, Nanyang Technological University, Singapore

Mariusz Wszolek, SWPS University, Poland

Eda Yeyman, ITU, Turkey

Kristina Zejkanova, Ladislav Sutnar Faculty of Art and Design, Czech Republic

Xia Zhang, Universiti Teknologi MARA, Malaysia

Jing Zhou, Monmouth University, United States

Lista de Participantes

María Teresa Aguilar, Universidad de Sevilla, España
Nathalia Albuquerque, Pontifical Catholic University of Rio Grande do Sul/UCV- Doctoral School, Brasil
Izaskun Álvarez Aguado, Universidad de Las Américas, Chile
Olga Ampuero Canellas, Universitat Politècnica de València, España
José Armijo Tortajada, Universitat Politècnica de València, España
Nelson Aros, Universidad de La Frontera, Chile
Raquel Ávila Muñoz, UDIT - University of Design, Innovation and Technology, España
Gabriel Alejandro Bermeo Montalvo, University of San Francisco de Quito USFQ, Ecuador
Grazielle Bruscatto Portella, EINA Centre Universitari de Disseny i Art de Barcelona, España
Silvia Caracuel Ponce, UVIC, Universidad Central de Cataluña, España
Juan Carlos Castro, Universitat Politècnica de València, España
Diana Sofía Chapa Chapa, Universidad de Monterrey, México
Salomé Cuesta Valera, Universitat Politècnica de València, España
Alonso de Paco Sánchez, Proyecto de integración laboral "A La Lona de Valencia", España
Jimena González del Río Cogorno, Universitat Politècnica de València, España
Ana Fabiola Del Toro García, Universidad de Guadalajara, México
Pablo Díaz Morilla, Sohrlin School; EADE-University of Wales in Málaga; EEAASS Diseño León XIII; Universidad de Málaga, España
Valentina Durango, Universidad Autónoma de Manizales, Colombia
Mauro Federico Egea Ruiz, EINA, Centro Universitario de Diseño y Arte en Barcelona (UAB), España
Chele Esteve Sendra, Universitat Politècnica de València, España
Juan Francisco Fernández Rodríguez, Universidad de Sevilla, España
Gerardo García Luna Martínez, Universidad Nacional Autónoma de México, México
Adrián Garmendía Martínez, Universitat Politècnica de València, España
Yuhan Gong, Universidad Autónoma de Barcelona, España
Jimena González Del Río, Universitat Politècnica de València, España
María González Rojo, Universitat Politècnica de València, España
Cristobal Rodolfo Guerra Tamez, Universidad de Monterrey, México
Gabriel Hernández, Universidad Politécnica de Madrid, España
Emilio Jiménez, LCI Bogotá, Colombia
María Victoria Jiménez Sánchez, UNAM, México
Begoña Jordá Albiñana, Universitat Politècnica de València, España
Luciana Jornada Lourenço, Pontifícia Universidade Católica do Rio Grande do Sul, Catholic University of Valencia San Vicente Mártir, Brasil
Juan Carlos Lobato Valdespino, UMSNH Facultad de Arquitectura, México
Teresa Magal Royo, Universitat Politècnica de Valencia, España
Tomás Martínez Baldares, Instituto Tecnológico de Costa Rica, Costa Rica
Lucía Martínez D'Oliveira, Escuela Universitaria Centro de Diseño/Facultad de Arquitectura, Diseño y Urbanismo/Universidad de la República, Uruguay

Lista de Participantes

Carmen Martínez Gregori, Escola D'Art I Superior de Disseny de València, España

Manuel Martínez Torán, Universitat Politècnica de València, España

Amanda Martín-Mariscal, Universidad de Sevilla, España

Lola Merino Sanjuán, Universitat Politècnica de València, España

Manuela Mónico González, Universidad Nacional de Colombia sede Palmira, Colombia

Juan Antonio Monsoriu Serra, Universitat Politècnica de València, España

Angie Mora Gómez, LCI Bogotá, Colombia

Carmen Moret Tatay, Universitat Politècnica de València, España

Francisco Misael Muñoz Pérez, Universitat Politècnica de València, España

Ana Georgina Navarro Sarmiento, Universidad de Guadalajara, México

Sergi Ortín Molina, Universitat Politècnica de València, España

Paulo Osorio, Universidad Nacional de Ingeniería de Lima, Perú

Lourdes Elizabeth Parga Jiménez, Universidad de Guadalajara, México

Jorge Pensi, Pensi Design Studio, España

María Estela Peralta, Universidad de Sevilla, España

Alberto Picardo, Universidad de Sevilla, España

Fabrizio Quiñones Aguirre, Universidad Nacional de Colombia, Colombia

Tatiana Ibeth Ramírez Castellanos, Universidad Complutense de Madrid, España

Erika Rivera Gutiérrez, Universidad Autónoma del Estado de México, México

Ximo Roca, Studio XIMO ROCA DISEÑO, España

María Antonieta Rodríguez Rivera, ENALLT-UNAM, México

Francesca Romero Forteza, Universitat Politècnica de València, España

Pedro Sáez Martínez, Universitat Politècnica de València, España

Begoña Sáiz, Universitat Politècnica de València, España

Ma. Eugenia Sánchez Ramos, Universidad de Guanajuato, México

Isabel Seguí Verdú, Universitat Politècnica de València, España

Rafael Seiz Ortiz, Universitat Politècnica de València, España

Gabriela Serna-Mendiburu, Universidad de Monterrey, México

María Martha Margarita Silva González, Universidad del Valle de México/ CONAHCYT, México

Diego Soliveres Rodríguez, Co-founder of Timpers, España

Liliana Beatriz Sosa Compeán, Universidad Autónoma de Nuevo León, México

Herbert Spencer, Pontificia Universidad Católica de Valparaíso, Chile

Nereida Tarazona Belenguer, Universitat Politècnica de València, España

Isabella Torres Pérez, Universitat Oberta de Catalunya, España

Ignacio Tortajada Montañana, Universitat Politècnica de València, España

Pablo Tortosa Juanes, Universitat Politècnica de València, España

María E. Vanegas Mora, Universidad de Panamá, Panamá

Vanessa Vega, Pontificia Universidad Católica de Valparaíso, Chile

Amadeu Ventayol, EINA (UAB, España

Luz del Carmen Vilchis Esquivel, UNAM, México

Jorge Alfonso Zaldívar Suárez, Universidad Nacional de Ingeniería, Perú



Common Ground Research Networks



Founded in 1984, Common Ground is committed to building new kinds of knowledge communities, innovative in their media, and forward-thinking in their messages. Heritage knowledge systems are characterized by vertical separations--of discipline, professional association, institution, and country. Common Ground Research Networks takes some of the pivotal challenges of our time and curates research networks that cut horizontally across legacy knowledge structures. Sustainability, diversity, learning, the future of humanities, the nature of interdisciplinarity, the place of the arts in society, technology's connections with knowledge--these are deeply important questions of our time that require interdisciplinary thinking, global conversations, and cross-institutional intellectual collaborations.

Common Ground Research Networks are meeting places for people, ideas, and dialogue. However, the strength of ideas does not come from finding common denominators. Rather, the power and resilience of these ideas is that they are presented and tested in a shared space where differences can meet and safely connect--differences of perspective, experience, knowledge base, methodology, geographical or cultural origins, and institutional affiliation. These are the kinds of vigorous and sympathetic academic milieus in which the most productive deliberations about the future can be held. We strive to create places of intellectual interaction and imagination that our future deserves.

MEMBERS OF THE FOLLOWING ORGANIZATIONS



Common Ground Research Networks is not-for-profit corporation registered in the State of Illinois, USA, organized and operated pursuant to the General Not For Profit Corporation Act of 1986, 805 ILCS 105/101.01, et seq., (the "Act") or the corresponding section of any future Act.

www.cgnetworks.org



The Common Ground Media Lab is the research and technology arm of Common Ground Research Networks. Common Ground Research Networks has been researching knowledge ecologies and building scholarly communication technologies since 1984.

Since 2009, we have had the fortune of being based in the University of Illinois Research Park while building our latest platform – CGScholar. This is a suite of apps based on the theoretical work of world-renowned scholars from the College of Education and Department of Computer Science at the University of Illinois Urbana-Champaign. CGScholar has been built with the support of funding from the US Department of Education, Illinois Ventures, and the Bill and Melinda Gates Foundation.

The CGScholar platform is being used today by knowledge workers as diverse as: faculty in universities to deliver e-learning experiences; innovative schools wishing to challenge the ways learning and assessment have traditionally worked; and government and non-government organizations connecting local knowledge and experience to wider policy objectives and measurable outcomes. Each of these use cases illustrates the differing of knowledge that CGScholar serves while also opening spaces for new and emerging voices in the world of scholarly communication.

We aim to synthesize these use cases to build a platform that can become a trusted marketplace for knowledge work, one that rigorously democratizes the process of knowledge-making, rewards participants, and offers a secure basis for the sustainable creation and distribution of digital knowledge artifacts.

Our premise has been that media platforms—pre-digital and now also digital—have often not been designed to structure and facilitate a rigorous, democratic, and a sustainable knowledge economy. The Common Ground Media Lab seeks to leverage our own platform – CGScholar – to explore alternatives based on extended dialogue, reflexive feedback, and formal knowledge ontologies. We are developing AI-informed measures of knowledge artifacts, knowledge actors, and digital knowledge communities. We aim to build a trusted marketplace for knowledge work, that rewards participants and sustains knowledge production.

With 27,000 published works and 200,000 users, we have come a long way since our first web app twenty years ago. But we still only see this as the beginning.

As a not-for-profit, we are fundamentally guided by mission: to support the building of better societies and informed citizenries through rigorous and inclusive social knowledge practices, offering in-person and online scholarly communication spaces

Supporters & Partners

As they say, “it takes a village.” We are thankful for the generous support of:



And to our Research Network members!

www.cgnetworks.org/medialab



Climate change is one of the most pressing problems facing our world today. It is in the interests of everyone that we engage in systemic change that averts climate catastrophe. At Common Ground Research Networks, we are committed to playing our part as an agent of transformation, promoting awareness, and making every attempt to lead by example. Our Climate Change: Impacts and Responses Research Network has been a forum for sharing critical findings and engaging scientific, theoretical, and practical issues that are raised by the realities of climate change. We've been a part of global policy debates as official observers at COP26 in Glasgow. And we are signatories of the United Nations Sustainability Publishers Compact and the United Nations Climate Neutral Now Initiative.

Measuring

In 2022 we start the process of tracking and measuring emissions for all aspects of what we do. The aim is to build a comprehensive picture of our baselines to identify areas where emissions can be reduced and construct a long-term plan of action based on the GHG Emissions Calculation Tool and standard established by the United Nations Climate Neutral Now Initiative.

Reducing

At the same time, we are not waiting to act. Here are some of the "low hanging fruit" initiatives we are moving on immediately: all conference programs from print to electronic-only; removing single-use cups and offering reusable bottles at all our conferences; working closely with all vendors, suppliers, and distributors on how we can work together to reduce waste; offering robust online options as a pathway to minimize travel. And this is only a small sample of what we'll be doing in the short term.

Contributing

As we work towards establishing and setting net-zero targets by 2050, as enshrined in the Paris Agreement and United Nations Climate Neutral Now Initiative, and to make further inroads in mitigating our impacts today, we are participating in the United Nations Carbon Offset program. As we see climate change as having broad social, economic, and political consequences, we are investing in the following projects.

- Fiji Nadarivatu Hydropower Project
- DelAgua Public Health Program in Eastern Africa
- Jangi Wind Farm in Gujarat

Long Term Goals

We're committing to long-term science-based net-zero targets for our operations – and we believe we can do this much sooner than 2050. We'll be reporting annually via The Climate Neutral Now reporting mechanism to transparently communicate how we are meeting our commitments to climate action.

Proceedings of the Eighteenth International Conference on Design Principles & Practices, hosted by the Universitat Politècnica de València, Spain , 11-13 March 2024. The conference featured research addressing the following special focus: "Cultures of Transformative Design" and annual themes:

- **Theme 1: Design Education**
- **Theme 2: Design in Society**
- **Theme 3: Designed Objects**
- **Theme 4: Visual Design**
- **Theme 5: Design Management and Professional Practice**
- **Theme 6: Architectonic, Spatial, and Environmental Design**

