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Networks, Markets & People

Communities, Institutions and Enterprises Towards Post-humanism Epistemologies and AI Challenges, Volume 2

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Preface

This volume contains the proceedings for the International Symposium "*NETWORKS, MARKETS & PEOPLE for transitioning settlement systems. Communities, Institutions and Enterprises towards post-humanism epistemologies and AI challenges—#NMP 2024*", scheduled from 22 to 24 May 2024, in Reggio Calabria, Italy.

The symposium was promoted by the European Cultural Heritage Enhancement Lab—ECHE Lab (former UNESCO Med Lab), Mediterranea University of Reggio Calabria (Italy), with ASTRI Scientific Association and the National Italian Committee of ICOMOS.

The Symposium is organized in partnership with: CETRAD, Centre for Transdisciplinary Development Studies, University of Trás-os-Montes e Alto Douro, Vila Real (Portugal); NEUROLAB, Mediterranea University of Reggio Calabria (Italy); GRUPO ANTE, University of Santiago de Compostela (Spain); LaborEM, Mediterranea University of Reggio Calabria (Italy).

The Symposium is mainly supported by a qualified network of scientific societies: SIEV—Società Italiana di Estimo e Valutazione; SIIV—Società Italiana Infrastrutture Viarie; AIIT—Associazione Italiana per l'Ingegneria del Traffico e dei Trasporti; SITdA—Società Italiana di Tecnologia dell'Architettura; AISRe—Associazione Italiana di Scienze Regionali; SISTur—Società Italiana di Scienze del Turismo; AGEI—Associazione dei Geografi Italiani.

NMP2024 aimed to promote the scientific debate about the effects that the contemporary environmental, technological, social and economic global challenges produce on settlement systems, especially in Inner Areas and metropolitan cities of the Mediterranean basin.

Contemporary settlements express the distance between the built environment inertia and the "liquid" society flowing underneath. Blurred lines substituted the neat dualities such as culture-nature, urban-rural, central-marginal, affluent-deprived, enacting perpetual changes in between polarities.

The progressive increase in population raises new issues connected with resources availability and the ecological footprint of anthropic activities.

The theme of the green transition requires multidisciplinary points of view, touching on very different issues such as infrastructures and mobility systems, green buildings and energy communities, ecosystem services and land consumption.

In this scenario, a post humanist epistemology assumes that humans are dependent on the environment, and part of a larger evolving ecosystem whose agency is distributed through dynamic forces. Climate change challenges reinforced the understanding that human is entangled with its environment, encouraging in defining novel epistemologies, including, but not limited to, several disciplines: architecture, urban studies, economics, cybernetics, ecology, ethology, geography, art, psychoanalysis, sociology, anthropology and quantum physics.

The new frontier of adaptive and flexible production, supported by the ongoing digital revolution, encourages a rethinking of the concepts of proximity and interdependence within human settlements, with a paradigm shift in the center-periphery dualism. In this context, the social reproduction approach is mainly oriented at spatial justice, re-use, regeneration and environmental care.

Digital technologies and artificial intelligence bring extraordinary potential to institutions, companies and social organisations, but also carry the risk of negative impacts of unmanaged innovation.

The Artificial Intelligence, challenging the labor market, has been seen lately as both the exploitation and the destruction of the human being as known until now. The progressive replacement of human workforce with machines no longer concerns the traditional industries only, affecting intellectual and creative productions.

The side effects of this transition need to be studied in order to share benefits and tradeoffs equitably between technology and service developers on the one hand, and individuals and communities on the other.

Accessibility rights to services and goods, social inclusion, commoning and sharing economies, as well as informalities and self-organization permeate the incoming social organization associated with the digital transition, towards inclusive concepts of citizenship.

Social innovation practices, collaborative governance models, open innovation frontiers, human non-human entanglements concur in setting the route for the next generation settlements, notably: the built environment, the social system and the complexity and challenges of the everyday life.

These phenomena are even more significant for marginalized areas, which are compelled to face the risk of widening the socio-economic gap with advanced regions, as happens in some territories of Mediterranean bordering countries.

Green and digital transition are the two pillars on which European policies are based for the period 2021-27, above all through the instrument of the Next Generation EU. The substantial investments planned by the EU to support the green and digital transition in the coming years require multidimensional evaluation systems, capable of supporting decision-makers in selecting the interventions most effective in pursuing the objectives, also considering that the financial resources used for the Policy implementation are borrowed from future generations, who will be held accountable for our work.

For this edition, meanwhile, the more than 300 articles received allowed us to develop 6 macro-topics, about "*Communities, Institutions and Enterprises towards post-humanism epistemologies and AI challenges*" as follow:

1. Cultural Heritage as driver of development for territories and tourism destinations
2. Ecosystems, people-nature cohesion and urban-rural relationships
3. Decision support systems for urban regeneration
4. Policies and practices of cohesion and social innovation for inclusive cities
5. Green buildings and sustainable solutions for ecological transition

and a Special Section, *Supersession intercluster SITdA*, chaired by our colleague Consuelo Nava.

We are pleased that the International Symposium NMP, thanks to its interdisciplinary character, stimulated growing interests and approvals from the scientific community, at the national and international levels.

We would like to take this opportunity to thank all who have contributed to the success of the International Symposium "*NETWORKS, MARKETS & PEOPLE for transitioning settlement systems. Communities, Institutions and Enterprises towards post-humanism epistemologies and AI challenges—#NMP 2024*": authors, keynote speakers, session chairs, referees, the scientific committee and the scientific partners, participants, student volunteers and those ones that with different roles have contributed to the dissemination and the success of the Symposium; a special thank goes to the "Associazione ASTRI", particularly to Angela Viglianisi and Immacolata Lorè, together with Alessandro Rugolo, for technical and organisational support activities: without them the Symposium couldn't have place; and, obviously, we would like to thank the academic representatives of the University of Reggio Calabria too: the Rector Prof. Giuseppe Zimbalatti and the chief of PAU Department Prof. Tommaso Manfredi.

Thank you very much for your support.

Last but not least, we would like to thank Springer for the support in the conference proceedings publication.

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