

RESPONSIVE CITIES SYMPOSIUM

Collective Intelligence Design

BARCELONA

27.11 - 28.11

RESPONSIVE CITIES 2023 SYMPOSIUM SEEKS TO DELVE INTO THE EMERGING PARADIGM OF COLLECTIVE INTELLIGENCE IN THE PROCESSES OF CITY MAKING. AS CITIES CONTINUE TO EVOLVE IN COMPLEXITY AND INTERCONNECTEDNESS IN THE CONTEXT OF THE CLIMATE EMERGENCY, EMBRACING NEW FORMS OF INTELLIGENCE THAT GO BEYOND HUMAN PERSPECTIVES BECOMES THE CORNERSTONE FOR THE FUTURE OF URBANITY.

COLLECTIVE INTELLIGENCE DESIGN PROMOTES AN EMERGING COLLECTIVE INTELLIGENCE PARADIGM THAT EMPOWERS THE APPLICATIONS OF CO-CREATION, FOLLOWING GENERATIVE PROCESSES OF BOTH THE LIVING AND THE MACHINE.

THIS POST ANTHROPOCENTRIC APPROACH HIGHLIGHTS A UNIQUE COMBINATION OF CROWD WISDOM AND ARTIFICIAL INTELLIGENCE THAT, TOGETHER WITH OTHER FORMS OF INTELLIGENCES INCLUDING ANIMAL, VEGETABLE, OR MICROBIAL, MARKS A SIGNIFICANT MILESTONE IN THE CREATION OF OUR FUTURE GREEN CITIES.

BY EMBRACING NEW FORMS OF INTELLIGENCE IN DESIGN, ARCHITECTURE AND CITIES CAN TRANSCEND ANTHROPOCENTRIC PERSPECTIVES AND CULTIVATE A NEW ECOLOGICAL, TECHNOLOGICAL BUT ALSO CULTURAL PARADIGM OF INHABITATION WHERE INCLUSIVITY LIES IN ITS CORE. THIS SHIFT RECOGNIZES THAT CITIES ARE ALIVE AND DYNAMIC ECOSYSTEMS INTERCONNECTED WITH THE NATURAL WORLD, WHILE ACKNOWLEDGING THE INTERDEPENDENCIES AMONG HUMANS, NON HUMAN, CULTURAL AND TECHNOLOGICAL OTHERS.

THE RESPONSIVE CITIES SYMPOSIUM: COLLECTIVE INTELLIGENCE DESIGN IS ORGANIZED AROUND 3 TYPES OF INTELLIGENCE: I. CROWD INTELLIGENCE, II. MACHINE INTELLIGENCE AND INTERSPECIES INTELLIGENCE.

THE CALL FOR PAPERS FOCUS ON THE CENTRAL TOPICS OF: METABOLIZE & DECARBONIZE, CO-DESIGN & LIVING, ADAPT TO CLIMATE & PERFORM AND MATERIALIZE & BUILD.

BACKGROUND

RESPONSIVE CITIES IS A BIENNIAL INTERNATIONAL SYMPOSIUM ON THE FUTURE OF CITIES ORGANIZED BY THE INSTITUTE FOR ADVANCED ARCHITECTURE OF CATALONIA.

THE 2023 EDITION FOCUSES ON "COLLECTIVE INTELLIGENCE DESIGN" AND TAKES PLACE WITHIN THE FRAMEWORK OF THE GREEN SKILLS FOR CITIES PROJECT, CO-FUNDED BY THE ERASMUS+ PROGRAMME OF THE EUROPEAN UNION AND DEVELOPED BY THE ADVANCED ARCHITECTURE GROUP OF THE INSTITUTE FOR ADVANCED ARCHITECTURE OF CATALONIA -IAAC- (SPAIN), VIENNA UNIVERSITY OF ECONOMICS AND BUSINESS -WU- (AUSTRIA), UNIVERSITY OF GENOA -UNIGE- (ITALY), AND EUROPEAN ASSOCIATION FOR LOCAL DEMOCRACY -ALDA- (FRANCE).

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SYMPOSIUM PROGRAM

MONDAY 27.11
DHUB AUDITORIUM

- 15:30 – 16:00** PARTICIPANTS REGISTRATION
- 16:00 – 16:15** WELCOME
JOSE LUIS DE VICENTE - DHUB
DANIEL IBAÑEZ - IAAC
INTRODUCTION
ARETI MARKOPOULOU - RESPONSIVE CITIES SYMPOSIUM CHAIR
- 16:15 – 17:30** SESSION 1: CROWD INTELLIGENCE
SPEAKERS:
EKIM TAN - PLAY THE CITY
GUILLEM CAMPRODON - FAB LAB BARCELONA
STEFANOS LEVIDIS - FORENSIC ARCHITECTURE, FORENSIS

MODERATORS:
JOSE LUIS DE VICENTE - DHUB
MARA BALESTRINI - IAAC
ROUND TABLE DISCUSSION
- 17:30 – 18:45** SESSION 2: MACHINE INTELLIGENCE
SPEAKERS:
LAURA NARVAEZ - FOSTERS & PARTNERS
ALDO SOLLAZZO - NOUMENA GROUP
LIAM YOUNG - LIAM YOUNG STUDIO

MODERATORS:
ANGELOS CHRONIS - INFRARED CITY
LAIA ROMERO - LOBELIA EARTH
ROUND TABLE DISCUSSION
- 18:45 – 19:00** COFFEE BREAK
- 19:00 – 20:15** SESSION 3: INTERSPECIES INTELLIGENCE
SPEAKERS:
JENNY SABIN - SABIN DESIGN LAB
MATHILDE MARENGO - IAAC
MOON RIBAS - CYBORG FOUNDATION

MODERATORS:
EVA FRANCH i GILABERT - EVA FRANCH STUDIO
ETHEL BARAONA POHL - DPR-BARCELONA
ROUND TABLE DISCUSSION
- 20:15 – 20:30** CLOSING COMMENTS
ARETI MARKOPOULOU - RESPONSIVE CITIES SYMPOSIUM CHAIR
- 21.00** SOCIAL DINNER

ORGANISED BY:

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Institute for
advanced
architecture
of Catalonia



ADVANCED
ARCHITECTURE
GROUP



TUESDAY 28.11

DHUB SALA L&M



9:00 – 9:30 **PARTICIPANTS REGISTRATION**

9:30 – 10:15 **GREEN SKILLS FOR CITIES**

FIONA DEMEUR - IAAC, ADVANCED ARCHITECTURE GROUP

RESPIRA PROJECT

CHIARA FARINEA - IAAC, ADVANCED ARCHITECTURE GROUP

10:15 – 11:30 **SESSION 1: METABOLIZE & DECARBONISE / ADAPT TO CLIMATE & PERFORM**

SPEAKERS:

MONICA SANCHEZ SEPULVEDA - ENHANCING SUSTAINABLE CITIES

CARRIE BOBO - COMMERCIAL CONVERSION

ANTHONY VANKY - BIG DATA, DATA ANECDOTES AND A BREA(D)TH OF AIR

DEBORAH LOPEZ & HADIN CHARBEL - GAMIFYING CLIMATE & CRISIS

MODERATOR: **FIONA DEMEUR** - IAAC, ADVANCED ARCHITECTURE GROUP

ROUND TABLE DISCUSSION

11:30 – 12:00 COFFEE BREAK

12:00 – 13:15 **SESSION 2: CO-DESIGN & LIVING / URBAN INTELLIGENCE**

SPEAKERS:

MATIAS DEL CAMPO - AI MORPHOLOGY OF THE CITY

LUIGI PINTACUDA & SILVIO CARTA - QRES A QGIS PLUGIN TO CALCULATE RESILIENCE BASED ON PROXIMITY OF URBAN RESOURCES

MAHSA NIKOUFAR - URBAN DIGITAL TWIN & COLLECTIVE INTELLIGENCE

FIRAS SAFIEDDINE - MATAVERSE URBANISM

MODERATOR: **MARIANO GOMEZ-LUQUE** - IAAC, URBAN SCIENCE LAB

ROUND TABLE DISCUSSION

13:15 – 15:00 LUNCH BREAK

15:00 – 16:15 **SESSION 3: CO-DESIGN & LIVING / CROWD INTELLIGENCE**

SPEAKERS:

LOVRO KONCAR-GAMULIN - CITY LAYERS: FROM INDIVIDUAL OBSERVATIONS TO COLLECTIVE KNOWLEDGE

FANNY TEOULE - PARTICIPATORY MAPPING FOR URBAN COMMUNITY GARDENS

AGOSTINO NICKL & ADIL BOKHARI - LLMS IN THE CITY

ALESSANDRA WEISS - MAKER PLACE: CO-CREATING THE CITY

JOANNE HAYEK - ENGAGING HUMAN & NON-HUMAN CITY DWELLERS IN THE IMPROVEMENT OF URBAN LIFE

MODERATOR:

CHIARA FARINEA - IAAC, ADVANCED ARCHITECTURE GROUP

ROUND TABLE DISCUSSION

16:15 – 17:30 **SESSION 4: MATERIALIZE & BUILD**

SPEAKERS:

CHANTELLE NIBLOCK - BELFAST BAMBOO COLLABORATION

ORLAGH CASEY - FROM NATURE TO STRUCTURE

ROLAND SNOOKS - TOWARD PRINTED FACADES

ANDREAS BIRONT - MYCELIUM BASED COMPOSITES AND TEXTILE REINFORCEMENT

MODERATORS: **ALEXANDRE DUBOR** - IAAC, ROBOTICS LAB

ROUND TABLE DISCUSSION

17:30 – 17:45 **CLOSING COMMENTS**

ARETI MARKOPOULOU - RESPONSIVE CITIES SYMPOSIUM CHAIR

18:30 – 21:00 **LIVING EXHIBITION OPENING - URBAN SHIFT**

IAAC, CALLE PUJADES 102, 08005, BARCELONA

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UNIVERSITÀ DI GENOVA - WWW.UNIGE.IT

VIENNA UNIVERSITY OF ECONOMICS AND BUSINESS - WWW.WU.AC.AT

EUROPEAN ASSOCIATION FOR LOCAL DEMOCRACY - WWW.ALDA-EUROPE.EU

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MORE INFO:

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