

# 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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GREEN SKILLS FOR CITIES



Ajuntament de Barcelona



# 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 CAMPRDON - 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**

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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** - METAVERSE 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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MORE INFO:

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