

SIDE EVENT

INTERNATIONAL WORKSHOP ON WASTE ARCHITECTURE / WASTE MANAGEMENT IN LANDSCAPE AND URBAN AREAS



SESSION H3 / 01 OCTOBER 2019 / 9:00-10:40

WASTE ARCHITECTURE: NEW VISIONS AND PERSPECTIVES

Chairs / Presidenti: Anna Artuso, Elena Cossu (IT)

E. Cossu, A. Artuso (IT)

New visions for landfill architecture

D.J.M. Marshall (US)

Unmaking architecture: holding patterns for misfit matter

The project provides techniques for arranging materials after the demolition and unmaking of architecture. Rather than down cycling concrete into low value aggregate, melting float glass into opaque bottles or grinding up street trees into mulch, methods are shown for this material to be indexed, remachined and rearranged into new assemblies.

10:40 - 11:10 Coffee break

SESSION H4 / 01 OCTOBER 2019 / 11:10-12:50

FUNCTIONAL REQUALIFICATION OF OLD LANDFILLS: CASE STUDIES AND TECHNICAL ASPECTS

Chair / Presidente:

D. Martin, M. Héroux (CA)

Frederic-Back Park, Montreal, Canada: how 40 million tonnes of MSW supports a public park

A. Pederzoli, B.N. Cerqueira, C.A.A. Catapreta, M.C.S. Ribeiro, P.G.B. Heller (BR)

Restoration of sanitary landfills in public park: the case study of Belo Horizonte Landfill, Brazil

S.M. Colombo (IT)

The naturalistic recovery of an old landfill: the case of Vizzolo Predabissi, Milano

K. Haarstad (NO)

Can we build on old landfills?

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SESSION H5 / 01 OCTOBER 2019 / 15:30-17:10

IWRECKS - Industrial Wrecks: Reusing, Enhancing, aCKnowledging Sheds

Chair / *Presidente*: Stefanos Antoniadis (IT)

iWrecks is a research project funded by POR FSE 'Veneto' 2014-2020. iWrecks aims to provide innovative visions and operational tools to professionals, investors, stakeholders and citizens involved in the retraining of abandoned, decommissioned and dismissed industrial sheds. In Veneto a huge amount of industrial estate demands for new uses. An important part of the research programme concerns useful practices for the recognition of what really must be reduced to waste and what can instead be maintained, transformed, reinterpreted avoiding the threatening obsolescence. The multidisciplinary approach of the research project, as well as the dedicated slot, helps the actors, involved in the production industry of reuse, in the pursuit of the goals of significant demolition reduction – so waste reduction – and programmatic practices of circular economy

Introductory lectures:

L. Stendardo (IT)

The power of the wreck: orienting visions

S. Antoniadis (IT)

iWrecks pilot scenarios: reducing waste and avoiding the threatening obsolescence in Architecture

R.A. Bernardello, R. Malesani (IT)

BIM and Urban Mining: information models for the C&D waste management and computation

17:10 - 18:00 Coffee break + Poster discussion

SESSION H6 / 01 OCTOBER 2019 / 18:00-19:40

WASTE MANAGEMENT IN URBAN AND PERI-URBAN AREAS

Chair / *Presidente*:

E.W. Rutkowski, E.Z. Monteiro, R.A. Freire, A.M. Reis de Goes Monteiro (BR)

Acknowledging waste pickers cooperatives as prime urban facilities

J. Zeilinger, M. Huber-Humer (AT)

Sustainable temporary housing in urban areas - The role of waste resource management

M. Russo, L. Amenta, A. Attademo, M. Cerreta, E. Formato, F. Garzilli, C. Mazzarella, M. Rigillo, V. Vittiglio (IT)

Short supply chain of waste flows for landscape regeneration in peri-urban areas

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SESSION H7 / 9:00-10:40

DESIGN LAB

Chair / Presidente: *Anna Artuso, Elena Cossu, Stefanos Antoniadis (IT)*

On 2nd October a practical landscape design lab session will be coordinated by Studio Arcoplan with the collaboration of Raffaello Cossu, Professor of the University of Padova and Stefanos Antoniadis, research fellow at the University of Padova.

The laboratory will be preceded by an introductory lecture on the topic. The lab session will give participants the opportunity to share their views with colleagues and experts within their working groups on a real case study.

The participants will elaborate a concept for the valorisation and/or requalification of the plant proposed and will be invited to illustrate the final project at the end of the laboratory.

Two case studies, selected by the Scientific Committee among the numerous proposals received, will be evaluated and assessed during the planning and design workshop.

The selected proposers will present the case studies to participants, illustrating the specific details of the plant, any issues that need solving, and basic requirements or preferences to allow the planning and design team to draw up the best solution in terms of site requalification or functional reuse.

The proposers are Ecoserdiana Spa and Ecofer Ambiente Srl.

10:40 - 11:10 Coffee break

SESSION H8 / 11:10-12:50

DESIGN LAB

In session H8 the activity started in the previous session will be continued.

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SESSION H9 / 15:30-17:10

DESIGN LAB

Chairs / Presidenti:

In session H9 the activity started in sessions H7 and H8 will be continued.

17:10 - 18:00 Coffee break + Poster discussion

SESSION H10 / 18:00-19:40

DESIGN LAB

Chair / Presidente:

At the end of the design lab, the participants will produce a concept for the valorisation and/or requalification of the plant proposed and will be invited to illustrate and discuss the final project.