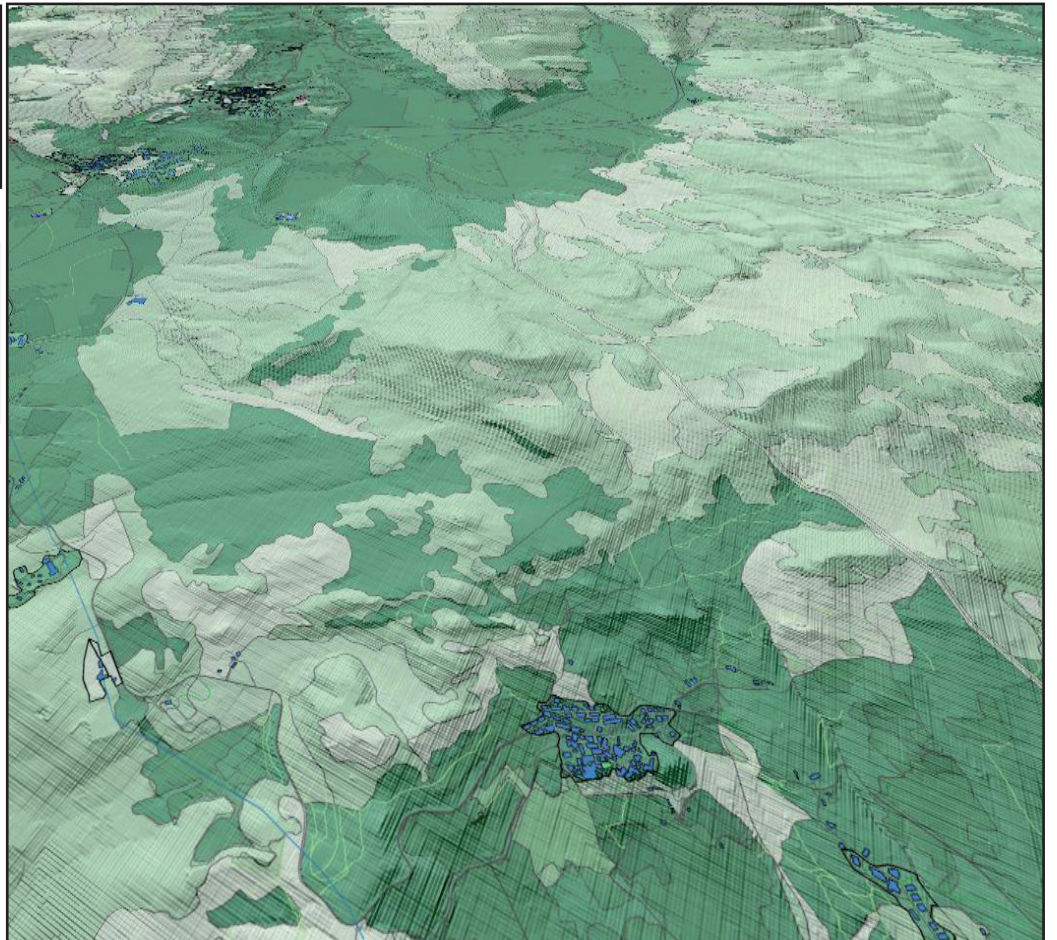




DASStU Department of
Excellence (D'Ecc)

Territorial Fragilities project

International seminar



**Land Use in Fragile
territories - Abruzzo**

Domenico D'Uva- Federico Eugeni

Building MULTiscalar Scenarios

International seminar on Advanced Techniques for image warping of maps through time parameters

The Department of Architecture and Urban Studies of Politecnico di Milano is among the Italian departments financed by the Ministry of University and Research (MIUR) for the period 2018-2022 as part of the **Departments of Excellence** initiative. For the five-year period, the DASStU has committed itself to **exploring the articulated and plural processes of fragilisation of the relationship between space and society** with the objective to become a center of national and international competence on the topic of **territorial fragilities**.

The seminar aims at exploring a relevant issue: how to produce **parametric maps** that include **time as a factor of modification** of physical distances and accessibility. These kind of maps are therefore suitable to reveal how territories can respect the topologic relationships among nodes, and how the urban and rural areas attached to them are dragged by the simultaneous presence of slow and fast networks. These maps help in analysing and governing urban and regional transformations. The contributions will aim at exploring **new modes of mapping** that can represent the relation between territories, connections and time. Considering time as a mapping parameter, requires **image warping techniques** applied to raster and vector maps, integrating **GIS software with parametric tools**. This seminar is based on both a methodological and a practical approach, where possible solutions and practical applications can be discussed. This seminar has been developed within the "territorial fragility" project promoted by the Department of Architecture and Urban Studies - research line MapFrag: Mapping fragile landscapes, tools and techniques for the analysis and representation of territorial fragilities.



**POLITECNICO
MILANO 1863**

DIPARTIMENTO DI ARCHITETTURA
E STUDI URBANI



**DIPARTIMENTO
D'ECCELLENZA
FRAGILITA' TERRITORIALI
2018-2022**

23rd October
2019 - 9:30-14:00

Politecnico di Milano,
Auditorium
via Pascoli, 53

Program :

9 30

Introduction

Alessandro Balducci

Politecnico di Milano
Scientific Coordinator of
The Territorial Fragilities Project
Opening of the seminar

Andrea Rolando

Politecnico di Milano
Mapping territorial fragilities

Domenico D'Uva

Politecnico di Milano
Maps Warping as a multiscalar tool

11 15

Experiences and applications
of parametric mapping. Known
issues and possible solutions

Anita Graser / AIT Austrian Institute
of Technology - Vienna
Towards an exploratory analysis of
time in massive movement data

Reinhard König / Bauhaus-
University Weimar

Adaptive urban design and master
planning

10 00

The multiscalar processes
of space-time mapping.
Metodology and Transformations

Klaus Spiekermann

Spiekermann & Wegener Urban and
Regional Research - Dortmund
Mapping European time-space

Francisco Escobar

University of Alcalá
Cartographic Transformations of
Position. Towards an understandable
representation of distances and
accessibility

12 15

Open Discussion and
contributions with:

Alessandro Bianchi
Stefano Cherubin
Antonella Contin
Rossella Salerno
Daniele Villa

Chair:

Fabrizio Leoni

11 00

Coffee Break

organizzazione a cura di
Domenico D'Uva

contatti
domenico.duva@polimi.it