FUTURE SCENARIOS

'What is to come' is not a new question. As humans, we always have adapted our being in the world through artifacts, tools, built spaces to give a (precise) shape to the image of the future environment in which we will live.

Today, however, we are overwhelmed by a sensation of acceleration of times, of technological transformation and of rapid social changes that create concern and profound expectations at the same time. Increasingly clear signs of risk appear on the scene and we are asked to rethink and redesign ourselves as users of life in close and interrelated familiarity with the environment.

The idea of this Special Series 'Future Scenarios' is to put the architectural project at the center of debate as a complex phenomenon, able to build a synthesis of scientific, social, political and cultural points of view, in a period where the anthropocentric perspective has radically changed our approach to the environment, to construction, to technology and materials, given their impact and effects on scarcity of resources.

In the field of future studies the traditional *forecasting* approach is still dominant, where the idea is to make previsions on mainstream trends. However, in complex systems, it will hardly generate solutions that could be long lasting. In Architecture a more interesting approach, is *backcasting*, intended as a method to analyze future with the focus on a preferable scenario. The fundamentals of this approach were outlined by John B. Robinson on the nineties but they remain still today meaningful as they concern less with a possible, plausible or probable future and more with the construction of a progressive knowledge, a physical feasible scenario, a set of skills, which starts from a future end-point to the present (thus 'back casting'). Here is where Architecture can give a real contribution to the debate, in a variable, multi-cultural, trans-disciplinary and fast changing society. The question is not to anticipate future but to build it.

This call thus seeks research, theory- or practice-based contributions in order to define future scenarios for Architecture and envisage their short- and long-terms implications.

In particular the topic will then be declined into:

1. Architecture and change management: theory, criticism, vision
Emerging technologies and digital transformation are more and more modifying the relationship between ends and means, theory and praxis, ideas and actions and blurring the borders of disciplines and identity values.
The focus is on visions, theoretical ideas, strategies and methods for the near future in architecture suggesting multiple perspectives of innovation, stimulating change, and identifying the preferable end-point.

2. Cities in transformation: environmental and social design and large scale perspective
Entire countries still see high phenomena of fast urbanization and the future scenario start from the attempt to work with the end of uncontrolled expansion. Energy consumption, new mobility, data gathering in the public space will completely change the design of infrastructures and cities.
The aim is to focus on design as an inclusive approach for the transformation process of cities, providing appropriate answers either to the emerging energy and environmental needs but also to social questions of how these transformations will impact on urban life.

3. Project for climate change: policy and technology for adaptation and mitigation
Strong scarcity of resources and radical climate change constitute a complex scenario with which design and project activities will have to face in the near future. Designing buildings and spaces is more and more an activity that involves different figures, included final users and policy makers.
The aim of this topic is to try to give possible scenarios of cooperation among different figures, that can really foster a roadmap to change, thinking about whom, what and how.

4. New challenges for technical innovation: production, techniques and materials
In a *backcasting* perspective, new production methods, construction processes, advanced materials and experimental technologies have to consider environmental protection and people's health and well-being as a priority goals.
The aim is to focus on bottom-up and top-down innovation of technologies, techniques and materials as a core topic both in scientific research and in industrial experimentation with big companies and SME, thinking at new models of developing products.

5. Architect of tomorrow: knowledge, education, pedagogy
The challenges of new domains and fields, where innovation seem arising in new territory, digitalization gain ground, practice and theory merge, method and tools change, roles reverse, require to the architect completely new expertise and skills.
A radical re-thinking of the educational models is required, both in higher and long lasting education, creating the ethical and scientific basis to develop scenarios that can contribute to the construction of projects and civic actions that can find their own legitimacy in society.
The focus is the detection of new fields of knowledge and the proposals of experimental pedagogical forms for the architect training and the updating and upgrading of the connected competences.

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CALL FOR PAPERS | TECHNE | SPECIAL ISSUE 2

PUBLICATION DATE TECHNE | SPECIAL ISSUE 2 JULY 17ᵀᴴ, 2020

Authors are invited to send an abstract of **4.000 characters**, spaces included, in English, which must include the main contents envisaged by the article to be proposed. **Each author can submit only one abstract** (individually or within a group of authors).

The abstract must be written in a concise and clear manner, making an effective response to the CALL theme and following the track of the following points:

- object of the proposal and aim of the article;
- approach and/or methodology.

The authors are required to specify whether the contribution is intended for the "Research and Experimentation", "Essays and Points of View" or "Advanced Search (Under35)" section and to indicate the relevant topic. **Abstracts without indication of the type of contribution and topic will be taken into consideration.**

In particular, the article "**Research and Experimentation**" and "**Advanced Research (Under 35)**" will have to highlight:

- approach and / or methodology;
- results: analytical, propositional and debate aspects;
- originality: explaining what is expressed again and for whom;
- limits of research and significant developments;
- cultural, practical and / or socio-economic implications (when present);
- reference research / research, relevance of the topic, subjects involved, possible financing.

In the case of an article for the "**Essays and Points of View**" section, attention should be paid to:

- cultural and scientific background related to the subject matter;
- analytical aspects, critical framework or debate on the topic;
- approach and / or methodology.

For both sections, the abstract has to be introduced by specific keywords, reflecting the essential elements of the paper (max 5).

Non-compliance with the indications will constitute a reason for exclusion. The abstract has to be sent to redazionetechne@sitda.net by **October, 11th 2019**, **using the sheets attached to this call**.

The authors of the accepted abstract will receive information by the Editorial Team starting from **November, 20th 2019**. Once the abstract has been accepted, the authors are invited to submit the paper by **January, 24th 2020**. The received abstracts will be submitted, anonymously and purified of the elements of possible identification, carried out by the Board selection.

The paper has to respect the limit of max:

18.000 ÷ 20.000 (characters, spaces included) in the case of single author; **24.000 ÷ 25.000 (characters, spaces included)** in the case of multiple authors; **including notes, images/ ables (**max 8**), captions and bibliography** (max 5 references**)**.

Authors of accepted contributions, reviewed by double blind peer review by referees, will receive the results by **March, 20th 2020** and the final draft of the article, eventually integrated on the basis of the referees' observations, must be delivered by **May, 08th 2020**. The articles must be written entirely in English (including image captions and the texts of tables). The texts, bibliographical references, images and notes must comply with the "Regulations for Authors", shown on the magazine's website at the address: http://www.fupress.net/index.php/techne/information/authors. **Failure to comply with these rules may determine the non-acceptance of the paper.** The procedure of acceptance and revision of the articles is declared at the address: http://www.fupress.net/index.php/techne/about/editorialPolicies. For more information, refer to the magazine's website: http://www.fupress.net/index.php/techne/index.

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A section devoted to **papers of advanced search**, proposed by **researchers under 35**, is foreseen: papers (up to 2) which receive and "Excellent" evaluation in the abstract selection and subsequent double blind review, **will be published by SITdA** with no publication fee.

Considering also the contributions of several authors, **an author may appear only once in the same number and may not publish on two consecutive issues of the magazine**. The members of the Board and of the Scientific Committee can publish papers with a time interval of one and a half years, also considering contributions with multiple authors.

ABSTRACT: Research and Experimentation - Advanced Research (Under 35)   Cod.

All fields must be filled. Don't include specific identifying elements in the text of the abstract, including the department of affiliation (you can anyhow quote the University, which does not represent an element of recognisability)

Topic *(indicate only one)*   1.   2.   3.   4.   5.

Title *(max 95 characters, including spaces)*

Keywords *(max 5)*

Approach and/or methodology *(max 1.000 characters, including spaces)*

Results: analytical aspects, proposals, debates *(max 1.000 characters, including spaces)*

Originality: by explaining what is new and for whom *(max 500 characters, including spaces)*

Limits of the research and significative results *(max 500 characters, including spaces)*

Cultural implications (practical or socio-economic) when present *(max 500 characters, including spaces)*

Reference to research/researches (formalized by administrative acts and by the presence of third parties), relevance of the topic, subjects involved, eventual fundings *(max 500 characters, including spaces)*

References *(max 5 references – with a maximum of one bibliographic contribution, where the author of the abstract appears as an author of the reference)*

ABSTRACT: Essays and Point of View	Cod.

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Topic *(indicate only one)*	1.	2.	3.	4.	5.

Title *(max 95 characters, including spaces)*

Keywords *(max 5)*

Cultural and scientific background with regard to the proposed topic *(max 1.500 characters, including spaces)*

Analytical aspects, the state of the art of the critical fields and debates on the topic *(max 1.500 characters, including spaces)*

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