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**School  
of Sustainability**

*Opening now in Bologna, Italy*

# O

**Architecture in Revolution**

*Post Graduate Education by Mario Cucinella*

# S



" SOS emerges from a simple but fundamental idea (or a question): the future of our profession.

SOS will be the place to build a culture of sustainability through dialogue among various personalities, sharing a common vision of the future. We will discuss climate, philosophy, economic forecasts for the city and the region.

SOS will be the meeting place between the culture of sustainability and industry and research. Between ambition and reality. It is important that these worlds meet and that it be a place where young people learn to grasp the complexity of our field.

SOS looks at the big goals for the coming decades, basing its approach upon the experience of working on major European objectives on issues of urban regeneration, on reclamation, and on new work tools.

SOS is not a traditional school but a space of personal relationships. It will be a place for immersion in the times to come, but also a place of creativity and interaction.

SOS is geared to those called to an active and participatory role in their educational process.

SOS is a space that does not exist. It is a school but also a start-up, a place for working together and for sharing the experiences of others.

SOS will get inside of companies to learn from them, to work with them in their laboratories and to seek new solutions for architecture."

**People have changing needs and face new economic and environmental challenges. Architecture is called upon to provide appropriate responses in harmony with the environment and the cultural context. But there is a clear disconnect between ambitions and results when it comes to sustainability. To bridge the gap we must redraw the professional figure of the architect through new tools and visionary learning strategies.**

Mario Cucinella

S.O.S. is

**a sensitive  
sensor**

S.O.S. - School of Sustainability

is opening in Bologna, an initiative of Mario Cucinella focused on training new professionals in the field of sustainability, capable of meeting the challenges of the future and leading the processes of transformation.

S.O.S.

bases its actions on the social and environmental importance of architecture to solving global problems on a local scale.

S.O.S.

is a cultural platform open to creative young people and researchers, professionals and companies in our sector to develop innovative projects with a positive impact on society, the economy and the environment through research and experimentation.

S.O.S.

is a creative laboratory born of a close collaboration with the architectural studio Mario Cucinella Architects (MCA) and the non-profit organization Building Green Futures (BGF), where the training is inspired by the real projects and lives in the studio. The sharing of tools, a prototyping laboratory and the daily interaction with the business world offers a unique educational experience strongly oriented to the professional world.

S.O.S. is

**a community  
and a cultural  
platform**

S.O.S. is

**education  
into action**

S.O.S. is

**the brainchild  
of Mario Cucinella**

## **Course offerings for 2015**

4 post graduate courses

### **ARCHITECTURE AS A SOCIAL BUSINESS**

Duration:  
1500 hours  
over 12 months

### **POST CARBON ARCHITECTURE**

Duration:  
1500 hours  
over 12 months

### **RIGHT FOR A (QUALITY) SHELTER**

Duration:  
1500 hours  
over 12 months

### **BLUE DESIGN**

Duration:  
1500 hours  
over 12 months

All courses are limited enrollment. Admission requires passing an aptitude interview.

The most deserving applicants will be offered scholarships.

Given the varied content of courses, there shall be a common structure for all, divided into the following four phases:

- 1/ Introduction  
to the course by professionals and leading personalities to present case studies.
- 2/ Professional training and design experimentation  
through theoretical and practical lectures (Fundamentals and Tools) to acquire skills and familiarity with the methodological approach and with the most advanced tools.
- 3/ Theses  
that track the development of a project in collaboration with professional and / or industry-leading businesses. Participants will be asked to work on a real project theme and to develop creative and innovative solutions to a specific socio-cultural and environmental context, dealing with clients and beneficiaries of the project.
- 4/ Internship  
with a professional and / or industry leader, or at an institution active in developing countries (for the course Right for a (quality) Shelter) to bring the students to the world of work and gain experience in the field.  
  
At the end of the course, the participant will be awarded a diploma, complete with grading and related educational credits obtained.

S.O.S.

An open cultural community, connected with the key national and international players in the field of architecture and sustainability



# Architecture

as a social business

S.O.S.

## ARCHITECTURE AS A SOCIAL BUSINESS

To regenerate the urban  
environment by creating  
job opportunities

Duration:  
1500 hours  
over 12 months

Today, the construction industry is responsible for 50% of CO<sub>2</sub> emissions globally and more than half of the population lives in cities, on 2% of the Earth's surface, causing a tremendous impact on the environment.

The world of design, administrators and local entrepreneurs are called to return to viability the huge existing building stock to improve quality of life and to respond the people's call for a transformation of the city.

Restoring suburbs and public spaces, re-thinking the processes of planning function according to the environmental agenda, activating processes of urban, social and environmental regeneration, redesigning the building envelope to increase comfort and reduce energy expenditure, as well as re-opening urban relationships lost with the historical city are some of the potentialities that a sustainable approach to design can offer.

The workshops will be aimed at the transformation of urban spaces, the retrofit of existing buildings and the recovery of disused structures in accordance with the principles of sustainability and social participation.





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## POST CARBON ARCHITECTURE

To design  
the next generation  
of buildings

Duration:  
1500 hours  
over 12 months

The adoption of a holistic approach to design allows us to select the environmental strategies best suited to the context and avoid choices that seem correct at the design stage but end up having a negative impact in the later stages (construction, use, reuse, recycling and disposal). In this context, the choice of materials and construction techniques becomes crucial to reducing the environmental impact of the building during its entire lifespan.

One of the current challenges is to rethink the relationship between architecture and architectural engineering as one that is not only technological but genetic.

Clients, designers, and builders are called on to radically change the design approach, identifying the evolution of traditional building techniques and emerging technologies in the search for a unique opportunity to restore a deep connection with climate, culture and the natural landscape the building site.

The objective of the course is to design buildings with low technology (in terms of physical plant), to work more with the shape and the materials of which it is composed, transforming these features into more prominent agents.

**Right for**

**a (quality) shelter**

PHOTO: ARCHIVIO ARCO

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## **RIGHT FOR A (QUALITY) SHELTER**

**To sustain human  
development and build  
resilience**

**Duration:**  
1500 hours  
over 12 months

Optimization of energy and natural resources present on site, reuse of materials, and design according to climatic requirements are transformed into the need to improve living conditions and access to resources in developing countries.

Today, according to data from the United Nations, 2.5 billion people have no access to basic services such as energy, water and sanitation and, in the absence of concrete action, these figures are expected to increase in coming decades.

To restore dignity to the people and at the same time provide sustainable economic and social development and to ensure adequate emergency testing, it is necessary to adopt long-term development programs that leverage their knowledge and resources in the region. The objective of the course is to prepare designers who are able to analyze the site of intervention, identify the territory's potentials and thus determine the intervention strategies that will increase the resilience of local communities, helping to reduce their vulnerability to future environmental, economic and social change.





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## BLUE DESIGN

Innovation and advanced  
sustainability  
for industrial design

Duration:  
1500 hours  
over 12 months

The Blue Design course offers companies and architects the opportunity to define together - in form of a permanent workshop - design, development and use of sustainable products and materials for the living environment.

Blue Design aims to a different conception of the project, where environmental compatibility of processes and products is a primary factor in technological innovation, development and economic viability.

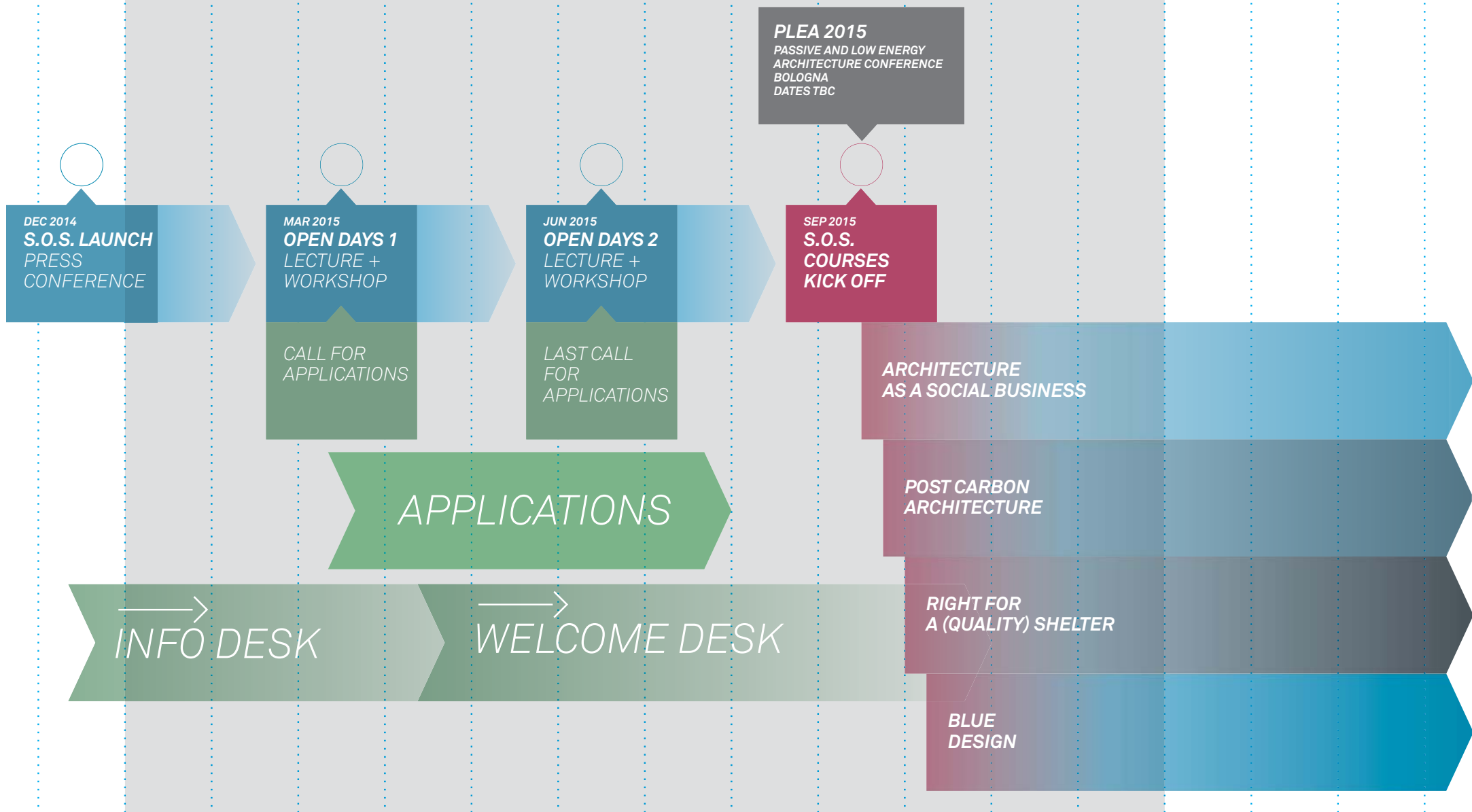
The course intends to create an ideal virtuous circle between training and production, information and design, in order to give to SOS partner companies a double feedback, both in terms of contents and new professionals trained in the School.



2015

2016















december    january    february    march    april    may    june    july    august    september    october    november    december    january    february    march



## COMPETENCE BOARD

SOS is an international and multidisciplinary group of high profile professionals.

The Competence Board periodically defines the content and activities of SOS and appoints a director for each course, which develops the curriculum and other activities, in collaboration with teachers and companies involved.

<a href="http://www.mcarchitects.it">www.mcarchitects.it</a>	 <b>Mario Cucinella</b>	Architect and founder of MCA (Mario Cucinella Architects), a studio with extensive experience in architectural design attentive to environmental issues
<a href="http://www.land srl.com">www.land srl.com</a> <a href="http://www.greencity-italia.org">www.greencity-italia.org</a>	 <b>Andreas Kipar</b>	Landscape architect and founder of Land and Green City Italia
<a href="http://blog.debiase.com">blog.debiase.com</a>	 <b>Luca De Biase</b>	Journalist, writer and expert on technological innovation and new media, he is founder and editor at Nôva24, the Thursday insert of ilSole24ore newspaper
<a href="http://www.makno.biz">www.makno.biz</a>	 <b>Mario Abis</b>	Professor of Sociology of media at IULM and director general of the research center Makno & Consulting
<a href="http://www.cmcc.it">www.cmcc.it</a>	 <b>Antonio Navarra</b>	Climatologist, president of the Centro Euro-Mediterraneo per i Cambiamenti Climatici
<a href="http://www.ventoditerra.org">www.ventoditerra.org</a>	 <b>Annibale Rossi</b>	Co-founder and president of Vento di Terra, an NGO active in countries in the developing world and in emergency situations
	 <b>Brian Ford</b>	Architect, former director of the School of Built Environment, University of Nottingham energy and environmental consultant and expert on vernacular innovation
<a href="http://www.legambiente.it">www.legambiente.it</a>	 <b>Edoardo Zanchini</b>	Architect, vice president of Legambiente and head of the energy and transport sectors
	 <b>Cristiana Colli</b>	Journalist, social researcher and communications expert, has designed and organized cultural events dedicated to landscape, architecture, contemporary art and design
<a href="http://www.symbola.net">www.symbola.net</a>	 <b>Fabio Renzi</b>	Secretary General of Symbola, Fondazione per le Qualità Italiane
<a href="http://www.domusweb.it">www.domusweb.it</a>	 <b>Stefano Casciani</b>	Expert on history and design, former editor and vice-director of the journal Domus
<a href="http://www.theplan.it">www.theplan.it</a>	 <b>Nicola Leonardi</b>	Engineer, founder and director of the journal The Plan
<a href="http://www.ar-co.org">www.ar-co.org</a>	 <b>Alessio Battistella</b>	Architect and co-founder at ARCo - Architecture and Cooperation, specialized in the architecture for development and emergency
<a href="http://www.scoa.it">www.scoa.it</a>	 <b>Renzo Baccolini</b>	Economist with a deep expertise in real estate and head of strategic consultancy at SCOA, he has been adjunct professor in Project Financing at the University of Bologna



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mario cucinella architects  
MCA



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