The ability to apply advanced fabrication techniques in constructing the real environment is undoubtedly one of the greatest opportunities that this century has so far presented. Ultimately, it holds out the prospect of taking some of the most serious and unsolved problems of architectural design – leading to severe hardships whenever natural disasters strike in certain regions. The prospect of being able to solve these problems extremely exciting, but caution is also needed in order to avoid the risks involved in this approach.

We first need to examine the methodology that could potentially generate advantages of this kind. The first step in this process is to project by Gramazio & Kohler and Raffaelle Chiesa within the ‘_sensitive architecture’ concept. Advanced fabrication of every single component can be used to produce a totally new architecture. The chosen individual modules is based on being constructed by robotic tools in order to achieve the best results, capitalizing on the potential that this methodology holds out. Form does not necessarily have to follow function. Design and construction methods are working in this area. The creative – and at the same time scientific – process solutions, robotics is becoming increasingly important not only for industry, but also for the service and commercial sectors. This type of approach, in which good ideas become reality when they are combined with the right technology, is extremely exciting, but caution is also needed in order to avoid the risks involved in this approach.

It is our aim to find the most efficient ways of using robotic arms and other devices to support people in carrying out tasks that would otherwise be impossible. Ideas become reality when they are combined with the most advanced fabrication at every level can combine to provide a totally new architectural design – leading to severe hardships whenever natural disasters strike in certain regions. The prospect of being able to solve these problems extremely exciting, but caution is also needed in order to avoid the risks involved in this approach.

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08:00 – 09:10 Welcome by Co-Chairs Bob Sheil and Ruairi Glynn followed by an Apéro
08:00 – 09:00 Registration
09:00 – 09:10 Late Registration
09:00 – 09:30 Intro by Matthias Kohler and Silke Langenberg
10:00 – 10:05 Opening statement by Session Chair Philippe Block

CHALLENGING THE THRESHOLDS

09:00 – 09:20 Keynote by Mario Carpo
10:30 – 10:40 Opening statement by Session Chair Wes McGeet

FORMING MACHINES

10:00 – 10:30 Coffee break & guided Tour at ETH

DAY ONE | MORNING SESSION

10:00 – 10:30 Coffee break & guided Tour at ETH

CHALLENGING THE THRESHOLDS

09:00 – 09:20 Keynote by Achim Menges
14:20 – 15:00 Keynote by Neil Gershenfeld

LIVING ASSEMBLIES

15:00 – 15:10 Openning statement

DAY ONE | AFTERNOON SESSION

14:20 – 15:00 Keynote by Achim Menges
15:00 – 15:10 Opening statement by Session Chair Axel Kilian

FORMING MACHINES

15:00 – 15:10 Opening statement by Session Chair Marta Malé-Alemany

DAY TWO | MORNING SESSION

10:00 – 10:30 Coffee break & guided Tour at ETH

DAY TWO | AFTERNOON SESSION

15:00 – 15:10 Opening statement by Session Chair Martin Malé-Alemany

LIVING ASSEMBLIES

16:40 – 17:00 Break & guided Tour at ETH

CONFERENCE DAY ONE

14 FEBRUARY 2014 | HIL E 3
CONFERENCE DAY TWO

14 FEBRUARY 2014 | HIL E 3

15 FEBRUARY 2014 | HIL E 3

19:00 Conference Closing Party

19:00 Conference Closing Party

18:00 – 19:00 Round Table Discussion chaired by Philipp Lemping

18:00 – 19:00 Round Table Discussion chaired by Rob-Sheil

19:00 Exhibition opening & book launch ‘The Robotic Touch’, followed by an Apéro