

May 5<sup>th</sup> 2017

9am – 5.30pm

University of Liechtenstein

Erasmus+ Symposium

# Crafting the façade

## Reuse, Reinvent, Reactivate

with

Neil Gillespie (UK), Hans van der Heijden (NL),  
Bernardo Bader (A)

Indira van't Klooster (NL), Arjen Oosterman (NL),  
Marko Sauer (CH), Anne Isopp (A), Inge Beckel (CH),  
Ranald MacInnes (UK)

Sally Stewart, Machiel Spaan, Urs Meister,  
Carmen Rist-Stadelmann

# INTRODUCTION

The symposium aims to strengthen a tectonic approach towards the design of façade and to reposition and reassert the façade as a central element within the design process in the education of the architect. During the Erasmus+ project „Crafting the façade: Reuse, Reinvent, Reactivate“ design studios in three European partner Universities in Glasgow, Amsterdam and Liechtenstein researched and developed façades constructed from three materials prevalent in local building tradition and culture - stone, brick and wood. Throughout the project work, the façades were explored in hand drawings in scale 1:10 and with hands-on experiments and testing at 1:1.

Through these processes students were introduced to new, often alien, materials, and their interest and understanding of the façade was stimulated, reaching it to be a place where structure, construction and logic of the building materials meet.

The aim of the symposium is to share the results of these three encounters with a broader audience, to offer new points of view and experiences from invited speakers and to broaden the debate around the façade enabled by journalists and writers. The symposium will form part of a publication documenting the diverse range of activities, thinking and new learning developed through the Erasmus+ program. The symposium will be of interest to students and tutors of architecture, the wider architecture community as well as Erasmus+ program participants.

Carmen Rist-Stadelmann  
Urs Meister

# STONE, BRICK AND TIMBER FAÇADES

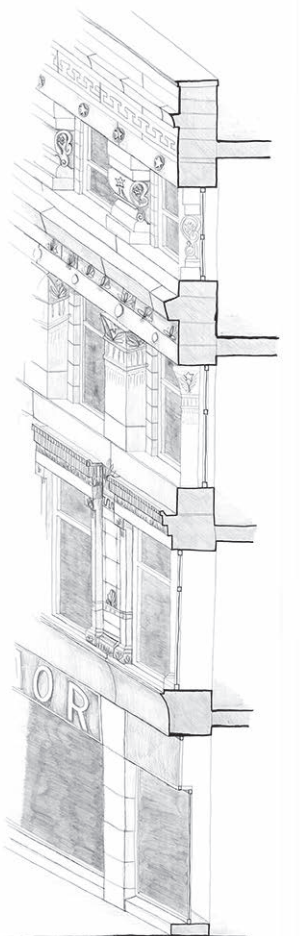
Within the Erasmus+ programme Framework and KA2 strategic partnerships series, the Academie van Bouwkunst, Amsterdam, the Mackintosh School of Architecture, Glasgow, and the University of Liechtenstein have collaborated to explore the potential of a specific range of building materials present in the development of the contemporary façade.

The choice of the subject "Crafting the façade: re-use, re-invent, re-activate" emphasizes the structural and material challenges confronting European building traditions and includes the central question of tectonics - the joining of individual parts into a whole - at its heart. In selecting the building materials, the regional prevalence of stone in Glasgow, brick in Amsterdam and timber construction in Liechtenstein played a decisive role. The specific cultural traditions and the associated structural and constructional know-how characterize the different design traditions in the three architectural schools and define the innovative form of the programme.

The cooperation has allowed the possibility to focus on the development of building façades through the combination of different materials. Three workshops each focusing on a single material: stone, brick and wood, were integrated and linked to the design studio topics. The experience of drawing by hand the elevations and sections of existing façades at a scale of 1:10 during the workshops allowed the examination and exploration of the materials in a direct and intensive way. This aspect, combined with material experiments at the scale 1:1 enriched the students design process additionally and enabled a better understanding of the materials stone, brick and timber and their use.

# STONE FAÇADES

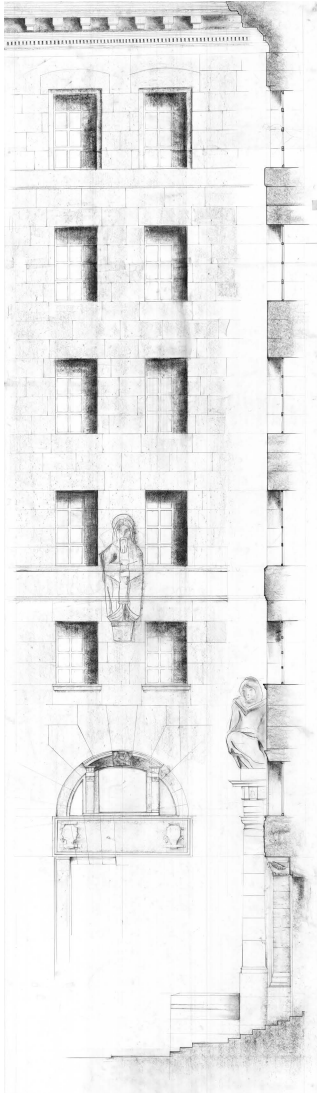
1<sup>st</sup> Workshop, Winter 2015-16



Grosvenor Building



Hope Street



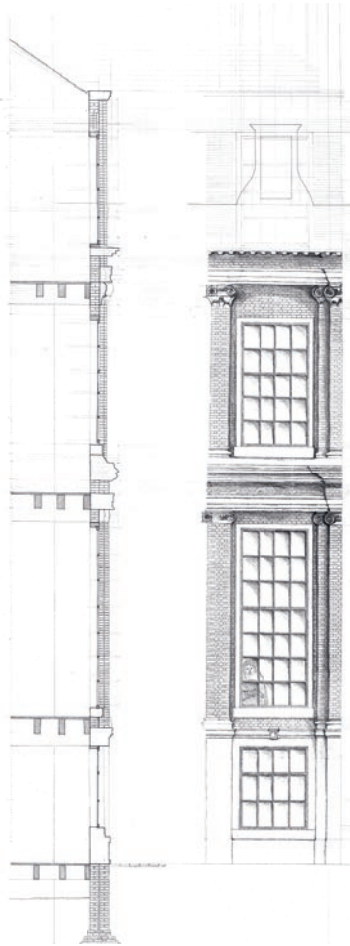
North British + Mercantile Building



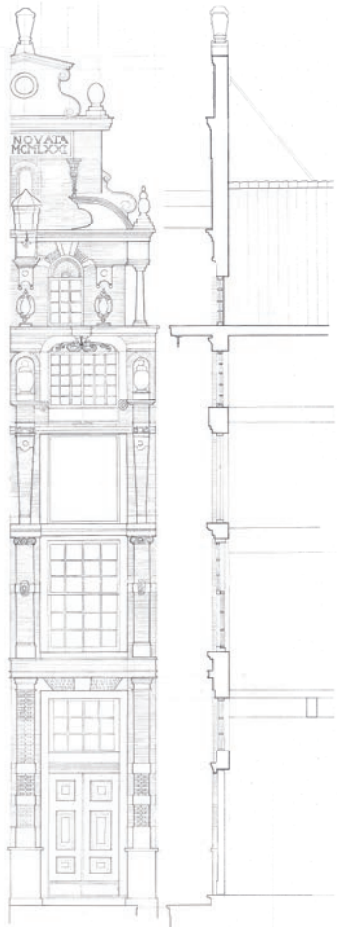
Scottish Commercial bank

# BRICK FAÇADES

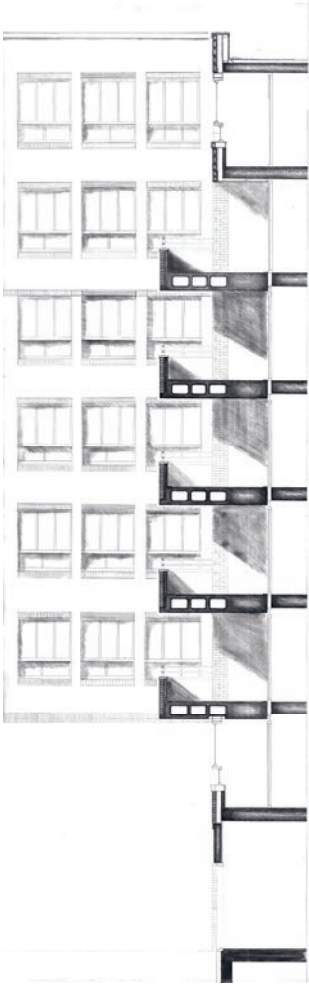
2<sup>nd</sup> Workshop, Summer 2016



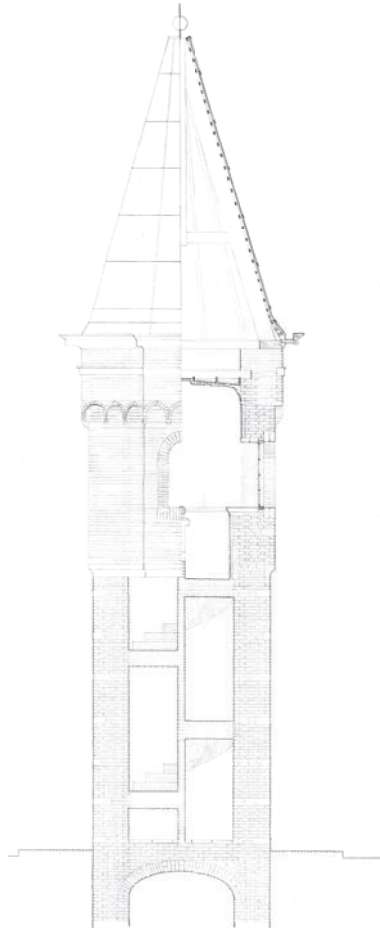
De Coymanshuizen



Huis Bartolotti



De Smaragd



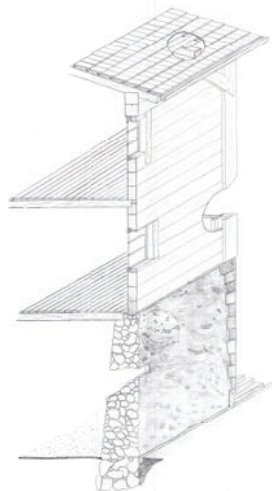
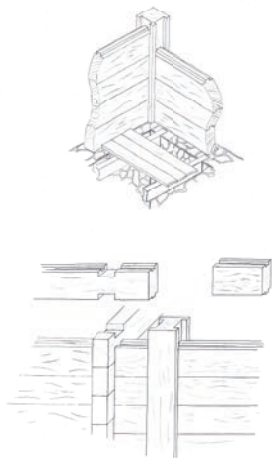
De Waag

# TIMBER FAÇADES

3<sup>rd</sup> Workshop, Winter 2016-17





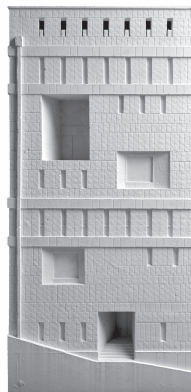
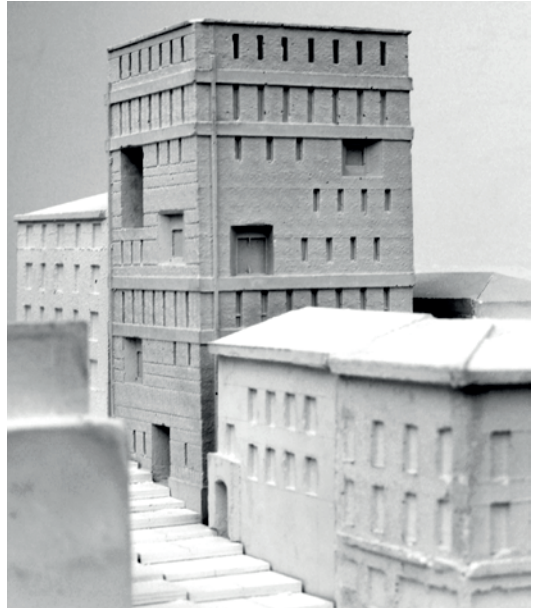


# DESIGNSTUDIOS

## GLASGOW STEREOTOMY

1<sup>st</sup> Semester, Winter 2015-16

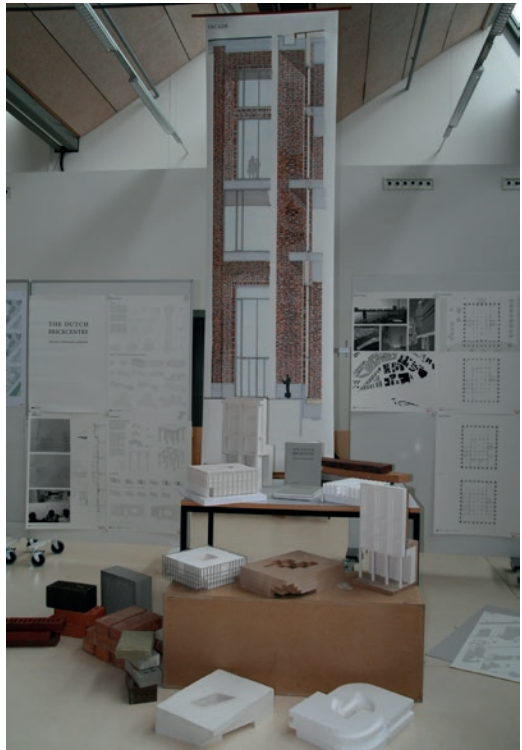
In the first project named the Glasgow Stereotomy, students designed a building for the Geological Society of Glasgow in a vacant space, a characteristic urban situation in Glasgow's urban block development. The society was founded in 1858 and required new premises with a complex mix of different rooms for seminars, lectures, exhibitions and events. The excursion to Glasgow, which accompanied the design studios, enriched the design work and sharpened the students' gaze for the design work. The main focus of the semester was the façade made of solid stone. During the semester, students had to find methods to gradually develop the façade from the material and at the same time meet the needs of today's building technology. The subject was supplemented by the research of Glasgow's rich tradition of urban stone architecture, in particular the work of prominent architects like Alexander "Greek" Thomson and Charles Rennie Mackintosh. In order to present the spatial, constructive and material aspects of the drafts and façades, mock-ups, axonometries and hand-drawn façade sections in scale 1:10 were used as tools.



## THE DUTCH BRICKCENTRE

2<sup>nd</sup> Semester, Summer 2016

In the second project of the program, the design studios of the three involved architecture schools continued the theme of the façade with the material brick. The work was devoted to an urban theme in a former industrial area of Amsterdam Nord and designed the Dutch Brickcentre, which is used by brickwork manufacturers and retailers, and includes laboratory and workshop rooms as well as showrooms. In the urban development area located directly at the waterfront, the interaction of the city, the structure and the material was gradually explored. The main focus of the semester was the façade in brick, its tectonic aspects and its role as a mediator of different cultural identities. The design was developed from the research of Holland's rich tradition of urban brick architecture and sought for methods to cultivate the expression from the material and, in parallel, to find answers to contemporary building engineering requirements. The workshop in Amsterdam and on the site of a brick factory enriched the design work with the experience of hand-drawn sections of brick façades in 1:10 in combination with the possibilities to produce bricks in 1:1. In addition, models, mock-ups, axonometries were used as tools to present the spatial, constructive and material aspects. The presentation of the resulting façades on large banners allowed showing and examining the use of the material brick in a direct way.



## THE ALPINE LODGE

3<sup>rd</sup> Semester, Winter 2016-17

In the third and last semester of the cooperation, the theme of the façade was continued with the material wood. After two urban design tasks in Amsterdam and Glasgow, the students designed an Alpine Lodge in the Liechtenstein mountains. In the alpine region, the interactions of the building with the material are mainly an expression of traditional construction methods. These aspects were integrated in the design studios and linked with current technical requirements. In the remote area of Silum, a mountain guest house which adapts to the four changing seasons was designed. Architecturally, the classic rooms for accommodation were supplemented by an individual theme developed by students, such as a therapy area or spa. The research of historic and contemporary wooden architectures in different alpine European and East Asian building cultures broadened the knowledge of wood. During the workshop in Liechtenstein, drawing façades of historical timber houses in 1:10 and building experimental timber structures in 1:1 enriched the design work and sharpened the students' perception. These experiences became visible in the drawings, models, mock-ups, axonometries and especially in hand-drawn façades in scale 1:10 which offered the broad panorama of spatial, constructive and material aspects of wood façades.



# PROGRAMME

MAY 5<sup>th</sup> 2017

**09.00 – 09.15**

**Welcome**

Peter Staub

**09.15 – 10.45**

**About crafting and material**

Carmen Rist-Stadelmann (University of Liechtenstein)

Urs Meister (University of Liechtenstein)

Sally Stewart (Mackintosh School of Architecture)

Machiel Spaan (Academie van Bouwkunst)

**10.45 – 11.15**

**Break**

**11.15 – 12.45**

**About material and tectonic**

Neil Gillespie, Edinburgh

Hans van der Heijden, Amsterdam

Bernardo Bader, Dornbirn

**12.45 – 14.00**

**Lunch**

**14.00 – 16.00**

**Roundtable Discussion with journalists**

**Table 1:**

Journalists:

Indira van 't Klooster, Amsterdam

Ronald MacInnes, Edinburgh

Inge Beckel, Fürstenaubruck

Participants:

**Urs Meister** (University of Liechtenstein); **Wouter Kroeze** (Academie van Bouwkunst); **Sally Stewart** (Mackintosh School of Architecture); **Neil Gillespie** (Reiach and Hall Architects); **Peter Staub** (University of Liechtenstein); **Philip Lutz** (University of Liechtenstein); **Trudi Ackermann** (University of Liechtenstein); **Livia Herle**, **Gian-Andrea Beer**, **Ewelina Langer** (Students University of Liechtenstein)

**Table 2:**

Journalists:

Arjen Oosterman, Amsterdam

Anne Isopp, Wien

Marko Sauer, Wil

Participants:

**Carmen Rist-Stadelmann** (University of Liechtenstein); **Machiel Spaan** (Academie van Bouwkunst); **Neil Mochrie** (Mackintosh School of Architecture); **Hans van der Heijden** (Hans van der Heijden Architect); **Rosalie Menon** (Mackintosh School of Architecture); **Dieter Jüngling** (University of Liechtenstein); **Clarissa Frommelt** (National Agency of Liechtenstein); **Christoph Ammer**, **Milena Fischer**, **Viviane Göbel** (Students University of Liechtenstein)

**16.00 – 16.30**

**Break**

**16.30 – 17.30**

**Final Discussion on the Podium with the journalists**

**17.30 –**

**Drinks & Talks**

# BIOGRAPHIES

## **NEIL GILLESPIE**

Neil Gillespie OBE RSA FRIAS RIBA is a Director and Chairman of Reich and Hall Architects based in Edinburgh. Among the buildings he has designed are The Pier Arts Centre, Stromness in Orkney, winner of the RIAS Doolan Award, nominated for a Mies van der Rohe Award, winner of a Europa Nostra Award along with an RIBA National Award. Neil also designed the Maggie's Cancer Care Centre, Lanarkshire, winner of an RIAS Award, a National RIBA Award and shortlisted for the RIBA Stirling Prize and the Doolan Award in 2015. Neil was Honorary Geddes Professor at Edinburgh University 2009 - 2012. Neil is a Visiting Professor of Architecture at the Scott Sutherland School of Architecture in Aberdeen and also at Sheffield University. Neil was appointed an Academician of the Royal Scottish Academy for Art and Architecture in 2009. He was awarded an OBE for Services to Architecture in 2011. Neil was the curator of Scotland + Venice, Venice Biennale in 2014. Neil was a member of the RIBA honours Committee in 2015- 2017.

## **HANS VAN DER HEIJDEN**

Hans van der Heijden Architect was set up in 2014 by Hans van der Heijden after leaving biq, the company he established in 1994. HvdH has specialised in housing design, both in new build and refurbishment, in the Netherlands and abroad. The Bluecoat arts centre in Liverpool was completed to international acclaim. HvdH has received numerous awards for his housing projects, including two nominations for the Mies van der Rohe Award. He is the author of books and essays on housing and urban design. HvdH has been the Sir Arthur Marshall Visiting Professor for Sustainable Urban Design at Cambridge University.

## **BERNADO BADER**

born in 1974, distinguished for designing buildings with quality of space and sensitive choice of material - thus he uses preferentially wood from the region. During his studies in Innsbruck he already realised some smaller projects in the Bregenzerwald. Nowadays he got his own architecture office in Dornbirn. With his team he designs public buildings like cemeteries and kindergardens as well as single family houses and residential buildings. In 2013 he won the Aga Kahn Award for the islamic cemenry in Altach (Austria). Since 2015 he is a member of the architectural design committee of the city Salzburg.

## **INDIRA VAN 'T KLOOSTER**

Indira van 't Klooster (NL) is the founding editor-in-chief and chair of A10 new European architecture Cooperative, which is the continuation of A10 magazine (which she headed between 2012 and 2016). She is the author of Reactivate! Innovators of Dutch architecture (Trancity, 2013) and Forty and Famous, 10 interviews with young European architects (Amilcar Publishers, 2016). In 2017 she and Pakhuis De Zwijger started Architecture Now, a bi-monthly talkshow on today's architecture in The Netherlands. She also works for Architectuur Lokaal, a Dutch foundation that promotes good clientship in architecture. She has been part of many juries of (national) awards for (young) architects, and is regularly invited as a guest lecturer all over Europe.

## **RANALD MACINNES**

is Head of Special Projects at Historic Environment Scotland, the non-departmental body which looks after historic monuments in state care in Scotland and also regulates change in the historic environment. He has extensive experience in teaching and research and is an Honorary Senior Research Fellow of the Institute of Art History, University of Glasgow and a visiting lecturer at the University of Strathclyde, Department of Architecture. He has published books, essays, articles and reviews on architecture and conservation. He has also worked on key conservation projects and is especially interested in the history and significance of construction and materials in relation to conservation projects.

## **INGE BECKEL**

Is a graduate architect, ETH SIA, journalist SFJ and has an interface to Gender studies. She worked at the Building Department of the City of Zurich and was the editor of the Swiss trade journal tec21. For more than 10 years now, she has been working as a freelance architecture publisher for print and internet media, as a construction consultant as well as a property representative and continues to research on women and construction.

## **ARJEN OOSTERMAN**

Arjen Oosterman (1956) is a critic, educator and curator. With a background in architectural history he is editor-in-chief of Volume magazine (since 2007). Being also part of Volume's publisher Archis, he is engaged in several Archis projects, among them several book productions, the Self Building Building project (with partners), and Architecture of Peace, a long term research project on architecture's potential to contribute to stability and peace in post-conflict situations. As an educator he initially taught architectural history and later on specialized in research and writing at several Dutch Universities. As researcher and writer he published foremost in Archis and Volume, but also in other magazines. He wrote, edited and contributed to books on contemporary Dutch architects and architecture. Next to lecturing and moderating internationally, curating exhibitions, he contributed to Dutch television documentaries and was member of several juries and awards.

## **ANNE ISOPP**

is an architectural journalist, based in Vienna. She studied architecture at TU Graz and journalism at Danube University Krems. She writes for newspapers, architectural journals and magazines. She is editor-in-chief of Zuschnitt, a magazine, which presents the current trends in timber building.

## **MARKO SAUER,**

Marko Sauer (1974), holds a Bachelor and Master's Degree in Architecture from the University of Liechtenstein and a Bachelor of Secondary Education from the college of education in St. Gallen. He worked three years as a project architect with Staufner & Hasler Architekten in Frauenfeld. Afterwards he worked at the department for construction of the city of St. Gallen and from 2013 to 2016 as editor in the professional journal TEC21. Since 2013 he works as independent publicist on architecture and construction and since 2016 he is director of the association Spacespot.

This symposium is part of the ongoing KA2 strategic partnership program "Crafting the façade: Reuse, Reinvent, Reactivate", funded by the European commission and the National Agency of Liechtenstein, currently being undertaken by Carmen Rist-Stadelmann and Urs Meister at the University of Liechtenstein. Program partners are the Mackintosh School of Architecture in Glasgow and the Academy van Bouwkunst in Amsterdam. The symposium is hosted by the University of Liechtenstein and organized by Carmen Rist-Stadelmann and Urs Meister.

### Contact Symposium

Carmen Rist-Stadelmann

carmen.rist@uni.li

Universität Liechtenstein

Fürst-Franz-Josef Strasse

9490 Vaduz, Liechtenstein

[www.uni.li/craftingthefacade](http://www.uni.li/craftingthefacade)

### Participants stone workshop and design studio:

Teacher University of Liechtenstein: **Carmen Rist-Stadelmann, Urs Meister** Students University of Liechtenstein: **Manuela**

**Türtscher, Milena Fischer, Elena Längle, Sabine Makovec, Bettina Ruepp, Barbara Ruech, Janine Alge, Stephanie Rattanong, Leslie Ospelt, Itana Celtic, Michael Hohenadl, Bastian Nanning, Gian-Andrea Beer, Werner Ostermann**

Teacher Academie van Bouwkunst: **Machiel Spaan, Wouter Krouze, Dingeman Deijs** Students Academie van Bouwkunst:

**Eric Goldhoorn, Joeri van Wijk, Mick Madder, Olivier Hortentius, Casper van Deelen, Erik Brusse, Haidar Al-Dayri, Ries van den Bosch, Segio Dias, Ivo Clason, Pandelis Zarakovitis, Philip Daniel Shores** Teacher Mackintosh School of

Architecture: **Sally Stewart, Alan Hooper, Neil Mochrie** Students Mackintosh School of Architecture: **Sifi Hannah**

**Basalamah, Ren P'NG, Ewan Wotherspoon, Stefanie Schnetzer, Yu Xuan Qua, Joe Duffin, Gabriella Wager, Lewis Kane, Toby Lindo, Andy Jack, Jerome Wren, Weng Yi Wong**

### Participants brick workshop and design studio:

Teacher University of Liechtenstein: **Carmen Rist-Stadelmann, Urs Meister** Students University of Liechtenstein: **Brigitte**

**Baier, Ewelina Langer, Maximilian Kindle, Viviane Göbel, Christina Wieser, Maximilian Kaufmann, Manuel Moser** Teacher Academie van Bouwkunst: **Machiel Spaan, Wouter Kroeze, Baukje Trenning, Udo Garitzmann, Jan Peter Wingender**

Students Academie van Bouwkunst: **Andre Cramer, Arne de Gans, Juliette Gilson, Koen van Hoof, Thom Knubben, Košič Kristina, Stefan Koster, Mahmood Hoeshmand, Jesse Mommers, Lucas Pissetti, Karolis Platakis, Bram Ruarus, Lu Yu**

Teacher Mackintosh School of Architecture: **Robert Mantho, Alan Hooper, Neil Mochrie** Students Mackintosh School of Architecture: **Carl Baker, Matthew Healy, Ziyang Li, Brigit Luffingham, Sandra Magrath, David Mcpike, Segoline Morand, Agata Olszewska, Kirsty Shankland, Fraser Start**

### Participants wood workshop and design studio:

Teacher University of Liechtenstein: **Carmen Rist-Stadelmann, Urs Meister**

Students University of Liechtenstein: **Philipp Althammer, Christoph Ammer, Julia Beck, Pascale Büchel, Christoph Fessler, Julia Forrer, Livia Herle, Daniela Huber, Julia Mair, Lino Nägele, Anne-Lea Pfister, Denise Pflieger, Michelle Rheinberger, Simon Westreicher** Teacher Academie van Bouwkunst: **Machiel Spaan, Wouter Kroeze** Students Academie van

Bouwkunst: **Stefan Koster, Roxana Vakil Mozafari, Wouter van der Velpen, Paulien van der Valk, Salaheddine Chekh Ibrahim, Eldrich Piqué, Tristen Vreugdenhil, Dirk Overduin, Joeri Verhoeven, Midas van Boekel, Alexander Beeloo, Eva**

**Souren, Kristina Kosic, Laurence de Kort** Teacher Mackintosh School of Architecture: **Kathy Li, Anna Poston** Students Mackintosh School of Architecture: **Martin Zizka, William McRoberts, Angus Riddell, Pavandip Sian, Ewan Hepburn, Mate**

**Gehberger, Annie Higham, Fredrik Frendin, Nichole Samson, Siripat Rojnirun, Ingrid Wennemo, Rebecca Hodolava**