

CV

Teaching and academic experience

2019 –

Professor in Architecture and Economy with focus on all resources at Chalmers University of Technology

2013 – 10/2018

Professor MSO at Aarhus School of Architecture AAA in Denmark:

Responsible for sustainability aspects of buildings and architecture throughout the school, including supervision of master thesis students as well as four PhD students. Chair of several assessment panels for PhD students.

<http://aarch.dk/person/2da0dd7f474e3c4096a8d432c7039d70/>

2015 – 10/2018

Coordinator of the research Lab 'Emerging Architectures and Sustainability' at Aarhus School of Architecture. This is one of the three research Labs at AAA.

<http://aarch.dk/wp-content/uploads/2016/08/ResearchLab3.pdf>

2017

Organizer of international conference 'The Changing Shape of Architectural Practices -- Emerging Practices in Architecture'

<http://aarch.dk/info/updates/events/changing-shape-architectural-practices/>

2014

Organizer of the international conference 'Integrating Sustainability into Architectural Education'.

2013 - 2014

Leader of work package in the EU funded research project 'Energy Efficient Demo Multi-residential High Rise Building (EE Highrise)

Evaluation of Social Acceptance and Environmental Impact of High Rise Housing

The applicant generated funding of 100.000 € for Umea University

https://www.up2europe.eu/european/projects/energy-efficient-demo-multiresidential-high-rise-building_22005.html

2010 – 2015

Artistic Professor at Umea School of Architecture – Sweden :

Director of the master program 'Laboratory for Sustainable Architectural Production (LSAP)', with a focus on research-based education. The applicant has built up the course.

2007 – 2013

Honorary professor at Aarhus School of Architecture, Denmark:

Director of MEGA (Master for Energy Efficient and Green Architecture), involving building up and being responsible for the joint postgraduate master program between Tsinghua University in Beijing and Aarhus School of Architecture.

The program had 2 consecutive runs with 30 successful diplomas.

<https://www.faod.dk/arkitektskolen-aarhus-udbyder-tre-masteruddannelser/>

2006

Visiting Professor at the Faculty of Architecture, Ljubljana University, Slovenia:

Studio assignment: sustainable and energy retrofitting of concrete panel housing built in 1960.

2003 and 2004

Visiting Professor at Mackintosh School of Architecture, Glasgow, Scotland:

Tutor of projects for sustainable housing projects and detailing in sustainable architecture.

2004 – 2007

Part time lecturer at Kunstuniversität Linz, Austria (Linz University of Arts):

Research focus on building with timber.

1994 – 2004

Part time Lecturer at the Department of Architecture at University Liechtenstein:

Responsible for 2nd and 3rd year students.

2003 – present

Invited keynote speaker of several research conferences in the field of architecture:

Vienna, Trondheim (first Nordic Passive House Conference 2008), Tokyo, Bologna, Munich and Copenhagen

http://aarch.dk/wp-content/uploads/2015/06/7PHN_program_en-20150626.pdf

2005 – present

Invited guest critic in several academic institutions of high repute. For example:

TU Vienna, TU München, Universität Liechtenstein, Macintosh School of Architecture, KU Leuven/Gent, Aalto University Finland.

1991 – present

Invitations to give workshops and guest lectures at various universities including:

KDAK Copenhagen, Chalmers Gothenburg, KTH Stockholm, NTNU Trondheim, Aalto University Helsinki, London, Aachen, Auckland University, TU Vienna, TU Munich, ETSA Barcelona, Tallin, Bologna, St. Petersburg, Riga, Skopje, Ljubljana,

Kiev, Innsbruck, Tokyo, Paris, Singapore, Bologna, Athens, Tjanjin, Oslo, Bergen, Stavanger, Pamplona, CEPT Ahmedabad, Mumbai, Amman, Bordeaux

Completion of numerous and extended international study trips including to: most European countries, particularly Finland, Norway and Denmark; Mexico and many countries in South America; Japan; China; India; Cambodia; Vietnam; Australia; New Zealand; Egypt; and Jordan. This has resulted in a photographic archive of 140,000 documents of buildings and their details and an extensive international network of colleagues.

Languages: German (native), English (teaching and writing language), French (fluent), Danish (conversational), Swedish basic, Spanish (conversational).

Selected publications

e% Sanierung Amberg

ISBN: 978-3-7667-2121-1

Unterrainer W. 2014

Wohnmodell Bayern 1st ed. Callwey Verlag p. 36-51

Passive-House Residential Complex: Batschuns

ISBN: 978-3-99043-654-7

Unterrainer, W. 2015

Getting things done: The exhibition. Fiel, W. (ed.). Birkhäuser

‘Ownership’ versus ‘smartness’ of technologies: Three examples of integrative versus technocratic approaches to a spatial challenge

ISBN 978-87-90979-56-0

Unterrainer, W. 2016 (peer reviewed)

Perspectives on Technology is the answer - but what was the question?.

Arkitektskolens Forlag, p. 22-34 (OPEN ROOM, Vol. 2)

Houses in Vorarlberg

ISBN: 978-3-95553-235-2

Unterrainer, W. 2015

Single Family Homes: Best of Detail. Schittich, C. (ed.). 1st ed.

Muenchen: Institut fuer internationale Architektur-Dokumentation, Ch. 70

Sustainability an imperative for plurality and context
ISBN: 978-87-909-7953-9
Unterrainer, W. 2015 (peer reviewed)
SUSTAINABILITY: An imperative for plurality and context.
Arkitekt skolens Forlag, p. 4-7 4 p

architecture ? sustainability ? education ?
ISBN: 978-87-909-7953-9
Unterrainer W. 2015 (peer reviewed)
SUSTAINABILITY: An imperative for plurality and context.
C.P.P. & Sørensen, L. L. (eds.). Arkitekt skolens Forlag, p. 74 5 p.

This one because it is cheap
ASIN: B013IMH1DK
Unterrainer, W. 2014
Behind the Green Door.
L. (ed.). Oslo: Oslo Architecture Triennale, Ch. cladding

Retrofitting of existing housing stock: an architectural challenge on all scales
Unterrainer W. 2015 (peer reviewed)
changing cities 2- spatial, design and socio-economic dimensions
conference Port Heli

Sustainable Architecture: A Spatial and not only a Technological Issue
可持续性的建筑: 一个首要空间的问题而非技术问题
Unterrainer, W. & Sun, J (translator). Sep 2011 (peer reviewed)
Eco-city and Green Building (Beijing). p. 28-35

Det er dumt ikke at være forberedt (it is stupid not to be prepared)
Unterrainer, W. 2016
Byplan Nyt, Årgang 14, Nr. 1

Technology is the answer, but what was the question?
ISBN : 978-87-90979-56-0
Unterrainer W. May 2016
Perspectives on Technology is the answer - but what was the question?.
Unterrainer, W. & Boye, A. M. (eds.).
Arkitekt skolens Forlag, p. 6- 11 (OPEN ROOM, Vol. 2)

Bæredygtighed: Fra Buzzword til indhold
(Sustainability: from buzzword to content)
Unterrainer, W. 2015
Arkitekten. 09

Social arkitektur: Fremtidens arkitekter er demokratiets katalysatorer
(social architecture: future architecture as catalyst for democracy)
Unterrainer, W. 2017

SUSTAINABILITY: An imperative for plurality and context
Unterrainer, W. (ed.) 2015
ISBN: 978-87-909-7953-9
Aarhus: Arkitekt skolens Forlag. 78 p.

Local village money for revitalizing village infrastructure: a case study of Langenegg / AT
Unterrainer, W. Aug 2017
paper for RSDE6 conference Oslo 2017

Wood – a sustainable building material ?
Unterrainer, W. 2017
paper for ACE Conference Singapore 2018 (peer reviewed)
in print

Constructive Provocation
ISBN: 3-21-1-83822-8
Institut Francais d'Architecture
Anton Pustet 2003

Sanitation in informal settlements: from technocratic failure to successful participatory design of public space
Unterrainer, W. 2014

Adaptive Architecture - a Spatial Objective: Architecture has always been inventive and adaptable
Unterrainer, W. 2011
conference on adaptive architecture London (peer reviewed)

30 years after - case study of 'Ökologische Gemeinschaftswohnanlage Nofels'
Hamburg Hafenuniversität
Unterrainer, W. 2014 (peer reviewed)

Emerging Architectures – The Changing shape of Architectural Practices
ISBN: 978-87-90979-7-1
Arkitekt skolens Forlag 2018
editor: Walter Unterrainer

Emerging Architectures – The Changing shape of Architectural Practices
ISBN: 978-87-90979-7-1
editorial p. 4-6

Architectures without Clients: Unsolicited Forms of Architectural Practice

W. Unterrainer M. Hensel – book in process

Editor's contract with Routledge from 2018

Based on the author's intensive field studies which have resulted in an abundant archive of relevant material, the book will portray one of the strong emerging strategies in which architects respond to societal and professional challenges and seek to build new forms of resilient and economic practice. The book will focus on the developments in practice, across a wide range of different approaches and practice sizes and strategies.

Participation with own projects on International Exhibitions

2003 – 2007. *Construction Provocative*, Institut Francais d'Architecture, France.

Curated by J. Brown. Invited participant alongside 20 international architects. Exhibition in 20 French Towns and in the Kunsthaus Bregenz

2010. Walter Unterrainer 'Works', Sweden.

Curated by W. Unterrainer. Invited solo exhibition in Stockholm Town Hall.

Austria West

Austrian Culture Centre, New York 2006

Behind the Green Door.

Oslo Architecture Triennale 2013

Getting Things Done

Curator Wolfgang Fiel

Vienna, Madrid, Rio de Janeiro, Tallinn, Istanbul, Belgrade, Oslo, Berlin and others 2014 - 2017

Shortened summary of professional work

1980 – 2010

Principal, founder and owner of Walter Unterrainer Architektur:

<http://www.architekt-unterrainer.com>

Own architectural office in Feldkirch / Vorarlberg – Austria. The office has designed approx. 170 buildings in seven European countries. The practice works on environmental and low cost aspects in architecture from start, from town planning scale to detail design. Specialties include developing economic construction methods by radical but individualized prefabrication, set-up of user groups, innovative tectonic and material decisions. From 1984, the practice specialized in extremely

energy efficient architecture and established 'controlled experimental' and participatory strategies in practice.

The office was handed over to former employees after the applicant moving to Scandinavia in 2009.

Key projects

The following short list was selected from approx. 170 realized buildings. All mentioned projects became research projects at various academic institutions. Most of these projects were the result of winning competition entries.

2008 - 2012 Prototypical retrofitting of post-war urban quarter in Amberg / Germany
low- cost / high impact transformation

2010 Passive Social housing in Grenoble in wood with fixed low budget

2006 Zero energy textile house in Feldkirch with building costs below average conventional houses

2000 Wood factory LOT in Feldkirch – low cost factory

1997 First passive housing project in Austria in Batschuns - at building costs for conventional housing

1996 'Card board houses' in Bregenz - extreme low cost solution for CO2

1987 Solar School Dafins (in collaboration with Hermann Kaufmann)

1986 'Ökologische Gemeinschaftswohnanlage Nofels' - extreme low cost participatory housing project including partial self-building

A significant number of Walter Unterrainer Architektur projects have received prestigious awards. For example Walter Unterrainer Architektur buildings have won: two Austrian government awards 'Haus der Zukunft'; 'Österreichischer Bauherrenpreis' awarded by Austrian Architectural Association; Solar Architecture Award; Prix de l'Habitat Durable Francais 2010; and several awards for Wooden Architecture.

Projects (selection)

<http://architekt-unterrainer.com>

2013

phase 1 of e% Amberg - retrofitting finished and start of evaluation

2009

First prize in competition of urban retrofitting in Amberg/Germany. This was a competition for prototypic solutions of transformations existing urban areas (see portfolio page 12 – 15)

2009

ZAC Blanche Grenoble, 44 apartments of passive house quality (Immeuble le Tournisol – in collaboration with R2K architects) - prix de l'habitat durable 2010 (see portfolio page 10)

2008

House Roland Briand in Boquého. First Passive house in France, in collaboration with Christophe Gauffeny (see portfolio page 9-10)

2007

Winning competition for multifunctional music theatre in Haugesund/Norway together with Vulkan Arkitekter Oslo

2006

Wooden Architecture Award for zero energy house at average building costs in Feldkirch / Austria with textile facade (see portfolio page 10 -11)

2004

construction of 4 experimental prefabricated low cost passive houses

2004

finalist of the competition for 200 passive house flats in Vienna (see portfolio page 9)

2003

2 Architecture Awards in Vorarlberg for the 5 passive projects in Klaus and the prefabricated passive house in Satteins with polycarbon facade

2001

2 State Awards 'Haus der Zukunft' (future houses) - for the passive houses in Batschuns and the 3 flats in Feldkirch (Wachter / Schennach / Schennach)

2003

Architecture Award of Upper Austria for the passive house office building 'Fa. Schlossgangl' in Steyr

2003

Award of Solar Architecture for 'Fa. Schlossgangl' in Steyr – as well as Austrian Solar Globe

2002

Wooden Architecture award for Lot factory

2002

construction of the first certified office building as passive house in Austria 'Fa. Schlossgangl' in Steyr / Upper Austria

2000 - present

Consultant for multiple international architectural practices, with several completed projects in Italy, Switzerland, Liechtenstein, France, Norway, Scotland, Latvia and Sweden.

1999

Winner of the open competition for the bus terminal, office building and rehabilitation hospital in Feldkirch - together with Markus Gohm and Ulf Hiesberger, finished 2002

1999

Wooden Architecture award of Vorarlberg for flats in Feldkirch Wachter /Schennach/ Schennach
Low cost passive house flats, highly prefabricated

1998

first price of the competition for an industrial building 'Lot Holzbau' - built as an experimental and extremely low-cost factory

1998

Wooden Architecture award of Vorarlberg for the animal hospital with flats in Lauterach / Austria – massive structure with cardboard façade – passive house R.

1997

Architecture Award of the Austrian Architectural Union for the cardboard houses in Bregenz

1997 Solar Architecture Award of Vorarlberg for the passive houses in Batschuns as the first terraced passive houses in Austria (see portfolio page 7 -8)

1996 Solar Architecture Award Vorarlberg for the 'cardboard houses' in Bregenz

1994 construction of the first house in Austria with a window solar collector

1993 detached house with 2 flats in Koblach - finished in 9 weeks

1991 first prefabricated house in Dornbirn made of plywood

1989 prefabricated Industrial Building for IT company 'Schweizer und Pilger'

1988

ecological low energy low cost housing for 11 families in planning participation (see portfolio page 5 - 6)

1988

first 'solar school' in Austria with Hermann Kaufmann and Sture Larsen after winning the competition