The MSc Program provides the participants with basic scientific knowledge for research, as well as the necessary skills to manage the design and construction of wood-based building projects. It will also educate them to better exploit the adaptable qualities of wood as a result of improved technological and economical mastery of the material. Yet the postgraduate course, which is mainly focused on the technical side of the art of timber construction, does not neglect the interdependence between architectural, technical and socio-economical aspects. Alumni of the Master Program are expected to have acquired the skills needed to direct the design and construction of major timber buildings in an urban context. Finally, the development of timber building systems and wood-based materials on the basis of such proficiency must be regarded as a valuable supplementary qualification.
The Vienna University of Technology, located in the heart of Europe and Vienna - is the largest technology-focused educational institution in the country. Founded in 1859 as the Scuola di Applicazione per gli Ingegneri (Technical School for Engineers), this university offers excellence in technology and acknowledges its historical heritage and new natural hazards. "There have always been three basic dimensions when designing urban strategies and interventions that are respectful and coherent to their surroundings - as far as possible - be preserved, refurbished, restored, remodelled, in their original stylistic function, with interventions that are respected and coherent to their original typology, but also to their materials."

"While timber building design varies depending on the locality, the ecological use of wood remains as a global issue. Diverse discussions within the international scientific community of timber architecture underline the fact that new knowledge and also a comprehension on our building cultures and world ambience at three universities allow not only new knowledge to be created but also an understanding of the role of timber as a construction material."

"The Vienna University of Technology ranks among the oldest, technical, and educational establishments in Germany. Founded in 1859 as the Scuola di Applicazione per gli Ingegneri, this university is now the largest in the country. Thanks to an increasing demand for highly skilled professionals in the fields of architecture, urban planning, and engineering, the programme is targeted at individuals who either engage in professional practice or teach at universities."

"The MSc Program is concluded by a final degree or other qualification (for example, equivalent thereof (for example, "Ueberholz"-course - UFG Linz)."

"In order to achieve highest levels of interaction with external organizations, the MSc Program is organized by the alliance of three institutions. The first year of the program is a build-up phase in modules in cooperation with each institution's specific field of expertise."

"While timber building design varies depending on the locality, the ecological use of wood remains as a global issue. Diverse discussions within the international scientific community of timber architecture underline the fact that new knowledge and also a comprehension on our building cultures and world ambience at three universities allow not only new knowledge to be created but also an understanding of the role of timber as a construction material."

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Technology for People – Developing Scientific Excellence and Ensuring Comprehensive Competence

The Vienna University of Technology, located in the heart of Europe and Vienna - is the largest Austrian institution in research and education within the fields of technology and natural sciences. The beginnings of Vienna University of Technology reach back 150 years, but the research, teaching and learning are state-of-the-art.

The Politecnico di Torino, founded in 1859 as the Scuola Politecnica per gli Ingegneri (Technical School for Engineers), offers excellence in technology and acknowledges its historical context. It promotes the ability to carry out theoretical or applied research, and also the capacity to achieve concrete and reliable productive process to organized services and facilities.

“Ancient timber structures: at present, on the subject of their conservation. It is understood the conservation that these structures must - as far as possible - be preserved, refurbished, restored, in their original static function, with interventions that are respectful and coherent to their original typology, but also to their materials.” WDGZ

“The building sector has to change – not only in Europe. Existing urban strategies and consumption will be reviewed bearing the shortage of resources in mind as well as the current climate challenges, an aging population, the cultural heritage and new natural hazards.”

.Repository for the history of architecture in Austria.

“While timber building design varies depending on the location, the ecologic use of wood seems to be a global vision. Different discussions within an international environment of three universities allow not only new knowledge but also comprehension on our building cultures and world environment.”

While timber building design varies depending on the location, the ecologic use of wood seems to be a global vision. Different discussions within an international environment of three universities allow not only new knowledge but also comprehension on our building cultures and world environment.

Program Coordinator

“Ueberholz”-course - UFG Linz.

The MSc Program is concluded by writing a master thesis during the 12th semester. The final degree is either the "Master of Science (MSc)" granted by the Vienna University of Technology.
The Urban Wood Master Program combines these aspects of building in wood: conservation, innovation and sustainability. There have always been three basic dimensions when discussing the function of the university as a public research institution. It promotes the ability to carry out theoretical or applied research and acknowledges its historical context. It allows the identity to achieve concrete and reliable productive processes to organized services and facilities. The master thesis is written with the assistance of a supervisor, preferably relating to the participant's professional activity and focusing on the feasibility of applying new developments in practice. In order to achieve high-level learning with international context, the MSc Program is organized by the alliances of three institutions. The first year of the program is divided into modules to be undertaken with each institution, specific field of expertise. The Urban Wood Master Program was established in 2009 by renowned researchers from Dresden University of Technology, Politecnico di Torino and Vienna University of Technology. Such a prerequisite is met by such equivalent thereof (for example Ueberholz-course - UFG Linz). Students who successfully complete the first year are supernumerary to conduct the second year of their studies with a thesis project at one of the three universities. Some institutions also offer their own projects or guided by external learning from the industrial world. Promoting the use of renewable materials in the context of cities as large construction markets is a key issue for realizing ecologically sustainable buildings in the future. The unique interdisciplinary part-time MSc Program is offered by the Vienna University of Technology in cooperation with Dresden University of Technology and Politecnico di Torino. The locations of the three collaborating universities determine a "triangle" around important forestry regions: Thüringen Forest, Erz Mountains, Bohemian Forests and the Alps. Specialists from each region will be invited to support the communication between students, designers and the wood-building industry. The program is likely to reflect the different industrial contexts specific to these regions.
# Time Schedule

## MODULE 1

<table>
<thead>
<tr>
<th>Event</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Study Trip from Vienna to Dresden</td>
<td>Aug 27, 2008</td>
</tr>
<tr>
<td>Lectures at Dresden U. of T.</td>
<td>Sep 01, 2008</td>
</tr>
<tr>
<td>Study Trip from Torino to Vorarlberg</td>
<td>Nov 03, 2008</td>
</tr>
</tbody>
</table>

## MODULE 2

<table>
<thead>
<tr>
<th>Event</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lectures at Politecnico di Torino</td>
<td>Oct 13, 2008</td>
</tr>
<tr>
<td>Lectures at Vienna U. of T.</td>
<td>Oct 21, 2008</td>
</tr>
<tr>
<td>Lectures at Vienna U. of T.</td>
<td>Oct 28, 2008</td>
</tr>
<tr>
<td>Lectures at Vienna U. of T.</td>
<td>Oct 29, 2008</td>
</tr>
<tr>
<td>Lectures at Vienna U. of T.</td>
<td>Oct 30, 2008</td>
</tr>
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## MODULE 3

<table>
<thead>
<tr>
<th>Event</th>
<th>Date</th>
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</thead>
<tbody>
<tr>
<td>Lectures at Vienna U. of T.</td>
<td>Dec 01, 2008</td>
</tr>
<tr>
<td>Lectures at Vienna U. of T.</td>
<td>Dec 02, 2008</td>
</tr>
<tr>
<td>Lectures at Vienna U. of T.</td>
<td>Dec 03, 2008</td>
</tr>
<tr>
<td>Lectures at Vienna U. of T.</td>
<td>Dec 04, 2008</td>
</tr>
<tr>
<td>Lectures at Vienna U. of T.</td>
<td>Dec 05, 2008</td>
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</tbody>
</table>

## MODULE 4

<table>
<thead>
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<th>Event</th>
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</thead>
<tbody>
<tr>
<td>Research Preparation at Vienna U. of T.</td>
<td>Feb 09, 2009</td>
</tr>
<tr>
<td>Research Preparation at Vienna U. of T.</td>
<td>Feb 10, 2009</td>
</tr>
<tr>
<td>Research Preparation at Vienna U. of T.</td>
<td>Feb 11, 2009</td>
</tr>
<tr>
<td>Research Preparation at Vienna U. of T.</td>
<td>Feb 12, 2009</td>
</tr>
<tr>
<td>Research Preparation at Vienna U. of T.</td>
<td>Feb 13, 2009</td>
</tr>
</tbody>
</table>

## MODULE 5

<table>
<thead>
<tr>
<th>Event</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Individual Research Project and Master Thesis</td>
<td>Feb 16, 2009</td>
</tr>
<tr>
<td>Individual Research Project and Master Thesis</td>
<td>Feb 17, 2009</td>
</tr>
<tr>
<td>Individual Research Project and Master Thesis</td>
<td>Feb 18, 2009</td>
</tr>
<tr>
<td>Final Presentation and Graduation at Vienna U. of T.</td>
<td>Feb 19, 2009</td>
</tr>
<tr>
<td>Final Presentation and Graduation at Vienna U. of T.</td>
<td>Feb 20, 2009</td>
</tr>
</tbody>
</table>

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Subject to modification
Duration and Time Schedule
The part-time program is presented in modules. After the Research Preparation, participants will start their personal research work at one of the three universities, eventually with an industrial partner. For this period, the schedule and place will be determined individually in accordance with the research supervisors.

Tuition Fee
The tuition fee for the entire MSc Program is **EUR 10,000** (excluding travel expenses and cost of room and board). The modules 1 to 4 may be booked individually for a single fee of EUR 4,000 each. For participants who have already booked one module, the tuition for the three remaining modules will be reduced to EUR 9,000.

Admission/Application
Application deadline: **May 31, 2008**

Admission interviews
Admission interviews will take place after individual appointment. For the applicants in foreign countries, the interview can be done by telephone.

Download of the application form is available on the website.

Please submit your application to
Vienna University of Technology
Continuing Education Center
Operngasse 11/017
A-1040 Vienna

Faculty
Dr. **Yoshiaki Amino**, Vienna University of Technology
Prof. **Albrecht Bemmann**, Dresden University of Technology
Prof. Arch. **Ciara Bertolini Cestari**, Politecnico di Torino
Prof. **Claus-Thomas Bues**, Dresden University of Technology
Prof. Eng. **Ario Cecotti**, Trees and Timber – National Research Council
Prof. Arch. **Pierre-Alain Croset**, Politecnico di Torino
Prof. Eng. **Antonio Frattari**, University of Trento
Prof. **Peer Haller**, Dresden University of Technology
Prof. **Peter Häupl**, Dresden University of Technology
Dipl.-Ing. **Andreas Heiduschke**, Dresden University of Technology
Dr. **Karl Heinz Hollinsky**, Vienna University of Technology
Prof. **Francoise-Héléne Jourda**, Vienna University of Technology
Prof. **Michael Kaliske**, Materials Research and Testing Association
**Otto Kapfinger**, Journalist
Dr. **Klaus Kreher**, Vienna University of Technology
Dr. **Nicola Macchioni**, Trees and Timber – National Research Council
Arch. **Tanja Marzi**, Politecnico di Torino
Arch. **Rossella Maspoli**, Politecnico di Torino
Prof. Arch. **Paolo Mellano**, Politecnico di Torino
Prof. Arch. **Claudio Menichelli**, National Board of Architectural Heritage
Dipl.-Ing. **Ralf Menzel**, Dresden University of Technology
Dr. **Adolf Merl**, RMA - Ressourcen Management Agentur
Dr. **Hideyuki Nasu**, Sumitomo Forestry Co., Ltd.
Prof.em. **Julius Natterer**, Swiss Federal Institute of Technology Lausanne
Arch. **Chiara Occelli**, Politecnico di Torino
Prof. Arch. **Sergio Pace**, Politecnico di Torino
Dr. **Margit Pfeiffer-Rudy**, Vienna University of Technology
Dr. **Olivia Pignatelli**, Dendrodata of Verona
Dr. **Christian Pöhn**, Bauphysiklabor Stadt Wien
Prof. **Jürgen Pretzsch**, Dresden University of Technology
Prof. **Erich Raith**, Vienna University of Technology
Prof. Arch. **Luciano Re**, Politecnico di Torino
Prof. **Hubert Riess**, Bauhaus University Weimar
Dipl.-HTL-Ing. **Klaus Peter Schober**, Holzforschung Austria
Dr. **Kamyar Tavoussi**, Vienna University of Technology
Dr. **Martin Teibinger**, Holzforschung Austria
Dipl.-Ing. **Katharina Tielisch**, Vienna University of Technology
Prof. Arch. **Panos Touliatos**, National Technical University of Athens
Prof. Eng. **Giulio Ventura**, Politecnico di Torino
Dipl.-Ing. **Jörg Wehsener**, Dresden University of Technology
Prof. **Wolfgang Winter**, Vienna University of Technology

This represents a selection of the faculty of Class 2007-2008.

FURTHER INFORMATION/CONTACT
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A-1040 Vienna
T +43/(0)1/58801-41701
F +43/(0)1/58801-41799
E urbanwood@tuwien.ac.at
http://urbanwood.tuwien.ac.at
The MSc Program provides the participants with basic scientific knowledge for research, as well as the necessary skills to manage the design and construction of wood-based building projects. It will also educate them to better exploit the adaptable qualities of wood as a result of improved technological and economical mastery of the material. Yet the postgraduate course, which is mainly focused on the technical side of the art of timber construction, does not neglect the interdependence between architectural, technical and socio-economic aspects. Alumni of the Master Program are expected to have acquired the skills needed to direct the design and construction of major timber buildings in an urban context. Finally, the development of timber building systems and wood-based materials on the basis of such proficiency must be regarded as a valuable supplementary qualification.

Urban Wood
Postgraduate MSc Program
Master of Science (MSc)
4 semesters, part-time

urbanwood.tuwien.ac.at