IMC 2026 - 11th International Masonry Conference
12 – 15 July2026, Lübeck, Germany
Chair of Organising Committee

IMC 2026 – Conference Information Booklet

State of the Art in Masonry Research

Welcoming the international masonry community to Lübeck
for inspiring exchange, strong practice connections
and visible innovation in a unique World Heritage setting

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Purpose of this booklet

This booklet provides practical information for IMC 2026 participants, including programme orientation, venue information, travel guidance, excursions, and local recommendations for Lübeck. This is a near-final version. Only minor updates are expected before the conference, mainly the final page references for the contributions in the proceedings. The booklet will be provided to registered participants by e-mail and made available on the conference website.

Proceedings download link, available from 9 July 2026:

<link>

At a Glance

11th International Masonry Conference (IMC 2026) will take place from 12 to 15 July 2026 in Lübeck, Germany. The conference combines scientific excellence with practical relevance and brings together the international masonry community in a uniquely fitting setting: Lübeck, a city whose brick-built heritage connects history, engineering, conservation, and innovation in a particularly vivid way.

The long Northern Daylight

Mid-July is one of the loveliest times to be in Lübeck. The conference takes place in the height of the northern summer, when long, bright evenings create a distinctive atmosphere and invite participants to enjoy the city beyond the formal programme. On 12 July 2026, the sun will set at 21:43, and on 13 July 2026, it will rise at 05:02.

The MUK, the Old Town, and many centrally located hotels are close to one another, making Lübeck an unusually easy conference city to experience on foot. The city centre is compact, walkable, and generally calm, so participants can enjoy Lübeck comfortably both during the day and into the evening.

Venue: MUK (locally pronounced 'mook') Registration/Separate Registrations: **https://muk.online-ticket.de/imc-2026**	Musik- und Kongresshalle Lübeck (MUK) Willy-Brandt-Allee 10, 23554 Lübeck, Germany **Walking Distances from MUK to:** • Lübeck Hauptbahnhof (Central Station): 600 – 800 m • Marienkirche (City Centre): 750 m
Sunday pre-conference tours	12 July 2026 **(Discover Lübeck through expert-guided tours, separate registration required)**
Registration and Welcome Reception	Sunday, 12 July 2026, 16:00–19:00
Professional Evening	Monday, 13 July 2026, 18:00–23:00 – "A Vision for Masonry" **(separate registration required)**
Detailed scientific sessions	Please refer to the updated session schedule in the second part of this booklet
Gala Dinner	14 July 2026, 19:00–23:00 (MUK Rotunda)
Post-Conference Guided Technical Excursion	15 July 2026, 16:00–18:00 "House Almost Without Heating, 2226" **(separate registration required, bus transfer included)**

Why Lübeck is a special place for IMC 2026

- UNESCO World Heritage city,
- Centuries of brick-built heritage,
- Strong connections between conservation, engineering, and innovation,
- A compact historic centre shaped by waterways, medieval alleys and courtyards,
- Historic Town Houses in the famous **Gänge und Höfe**, still in everyday use,
- The city can also be experienced from the water, including by boat — for example individually with **Boat Now** (https://boatnow-luebeck.de/), where visitors can rent a small electric boat and explore the waterways around the Old Town island,
- A relaxed summer atmosphere in cafés, streets, and waterfront areas.

Getting there from Hamburg Airport (HAM)

For most international participants, the easiest route to Lübeck is by train from **Hamburg Airport**. We recommend installing the **DB Navigator app** in advance, as it makes it easy to check connections and buy tickets, which also helps avoid delays and saves time at ticket machines. (Web: https://www.bahn.de)

From the airport, take the **S1 Schnellbahn train to Hamburg Hauptbahnhof (Hamburg Hbf)**. The journey to Hamburg Hbf takes about **25 minutes**. (The S1 runs every 10 minutes between 06:00 and 23:00, and every 20 minutes at other times; the first train reaches the airport at 04:28, and the last train to the city centre leaves the airport at 00:14.) At Hamburg Hbf, we recommend taking a direct **RE8** regional train to **Lübeck Hauptbahnhof** whenever available. These are comfortable double-decker regional trains, and each train includes a small 1st-class section, if you like. The full trip from HAM airport to Lübeck Central Station usually takes around **1 hour 30 minutes**, depending on the connection. Trains on this route can be busy during peak commuting hours, especially in the morning and late afternoon. We recommend checking your onward platform in the app before arrival at Hamburg Hbf, as the station can be very busy.

If you book a **flexible ticket**, there is typically **no train binding**, but the ticket is usually valid only for the **day shown on the ticket**; for longer journeys, travel must begin on that day. Saver fares may have stricter conditions, so please check the fare type when booking.

Please note one special point for the **return journey to Hamburg Airport**: on S1 services from Hamburg Hbf towards the airport, only the front three carriages continue to Hamburg Airport. This does not affect the journey from the airport to Lübeck, but it is important on the way back.

Please also note that local public transport in Lübeck is not automatically included in every DB ticket. Some long-distance DB tickets include a City-Ticket option, and Deutschlandticket holders can use local public transport as usual, but conference participants should check the exact conditions of their ticket.

As an alternative, **a taxi from Hamburg Airport to central Lübeck usually takes about 60–75 minutes** and may cost roughly **€110–€150**, depending on traffic and time of day. Rail travel on this route is generally straightforward and comfortable. Late at night, especially on weekend trains from Hamburg, some services can be a little livelier because of party traffic, so daytime and evening connections are usually the most relaxed option.

S1 Schnellbahn-train at Hamburg Airport (HAM)
© Gigla

DB Navigator app

Travel tip: Hamburg Airport (HAM) is the terminus of the S1 Schnellbahn line, so when travelling from the airport towards Lübeck, you cannot accidentally take a train in the wrong direction — all S1 services first go to Hamburg Hauptbahnhof. If two trains are waiting at the platform, it is worth checking the DB Navigator app or the departure displays to see which one leaves first.

A note on Uber and taxis in Germany

Uber and similar ride-hailing services do not operate in Germany in the same way as in many other countries. Availability may be limited and, where offered, rides are often provided through licensed taxi or chauffeur services. For travel from Hamburg Airport to Lübeck, we therefore recommend using the train connection via Hamburg Central Station or regular taxis. Within Lübeck, the city centre is compact and most conference-related locations are within walking distance.

Arriving at Lübeck Central Station

Lübeck Central Station is a historic railway station opened in 1908 and designed by architect Fritz Klingholz. When arriving by train, please follow the station signs to **"Ausgang Stadtmitte" (City Centre exit)** and leave the station towards the south. Orientation on the station forecourt may be slightly confusing at first: straight ahead is the central bus station, reached by crossing the pedestrian lights and passing through the underpass. Taxis are usually waiting directly in front of the station; a short ride into the city centre will typically cost around **€10**, depending on destination and traffic..

Depending on your destination, you may of course take a bus — please check that it is heading towards the city centre. A single bus ticket within the Lübeck city network costs €3.60; for short bus rides of up to four stops from boarding, **a short-distance ticket is available for €2.00**. Tickets can be bought directly from the bus driver. In Lübeck buses, contactless payment by card, Apple Pay or Google Pay is available. Tickets can also be purchased via the NAH.SH app or as an online ticket in the NAH.SH ticket shop. If you do not have euros in cash, we recommend using contactless payment or buying a mobile ticket before boarding.

However, the MUK is only about 600 m from the station, and the city centre around Kohlmarkt is about 1 km away. For the city centre, walk past the green building and continue across Puppenbrücke. **The shortest walking route to the MUK** leads along Werner-Kock-Straße to the left, then straight across the road and over Stadtgrabenbrücke. After dark, the route past the green building and across Puppenbrücke and Willy-Brandt-Allee may be easier to follow.

Lübeck, Am Bahnhof (on the station forecourt)

Sunday pre-conference tours – 12 July 2026

We strongly recommend early arrival in Lübeck on Sunday, 12 July 2026. Before registration opens, participants will have the opportunity to join guided tours that introduce important architectural, historical, and construction-related aspects of the city. These tours are a distinctive part of the conference experience because they are guided by outstanding experts rather than commercial city guides.

Start your IMC experience

Before the conference officially begins, participants are invited to discover Lübeck through a series of carefully curated tours. These excursions offer a valuable first encounter with the city's architectural heritage and create an inspiring bridge between the conference themes and the built environment of Lübeck itself.

- The Sacred Landscape
- Historic Townhouses and Salt Exposure
- Fortifications and Medieval Construction Techniques

Please register separately for the tours. Availability may be limited.

In Lübeck, history is visible not only in the city's iconic brick buildings, but also beneath its streets and squares. The tours reflect this close connection between archaeology, heritage conservation, and the careful continued development of a living historic city. Three tours are offered, please book at

- https://muk.online-ticket.de/imc-2026 (watch for "Choose your extra")

1. The Sacred Landscape
   Marianne Lutter and Dr. Dirk Rieger
   14:00 – meeting point: MUK, in front of the Rotunda
2. Historic Townhouses and Salt Exposure
   Gisbert Knipscheer
   14:00 – meeting point: MUK, in front of the Rotunda
3. Fortifications and Medieval Construction Techniques
   André Dubisch and Nina Krischke
   14:00 – meeting point: Burgtor (15 m outside the gate, near the small model in a glass case by the Burgtor bridge)

Led by distinguished experts in heritage conservation, archaeology, and building research, these tours provide rare insights into Lübeck's UNESCO World Heritage fabric and into the ways in which historic structures are preserved, understood, and kept alive today. Together, they open up key elements of Lübeck's urban monument: its skyline and historic townscape, its streets, plots, alleys and courtyards, its major public landmarks, its layered archaeological record, and the remarkable continuity of its town houses and urban fabric.

The city map with routes and short descriptions is available for download via the IMC website.

Professional and Industrial Evening – "A Vision for Masonry" – 13 July 2026

Available to IMC participants as an individual booking: € 35.00

The Professional and Industrial Evening on Monday, 13 July 2026 is one of the strongest outward-facing elements of IMC 2026. It is designed as a high-level exchange between international research, industry, design practice, and the regional professional community.

Why this evening matters

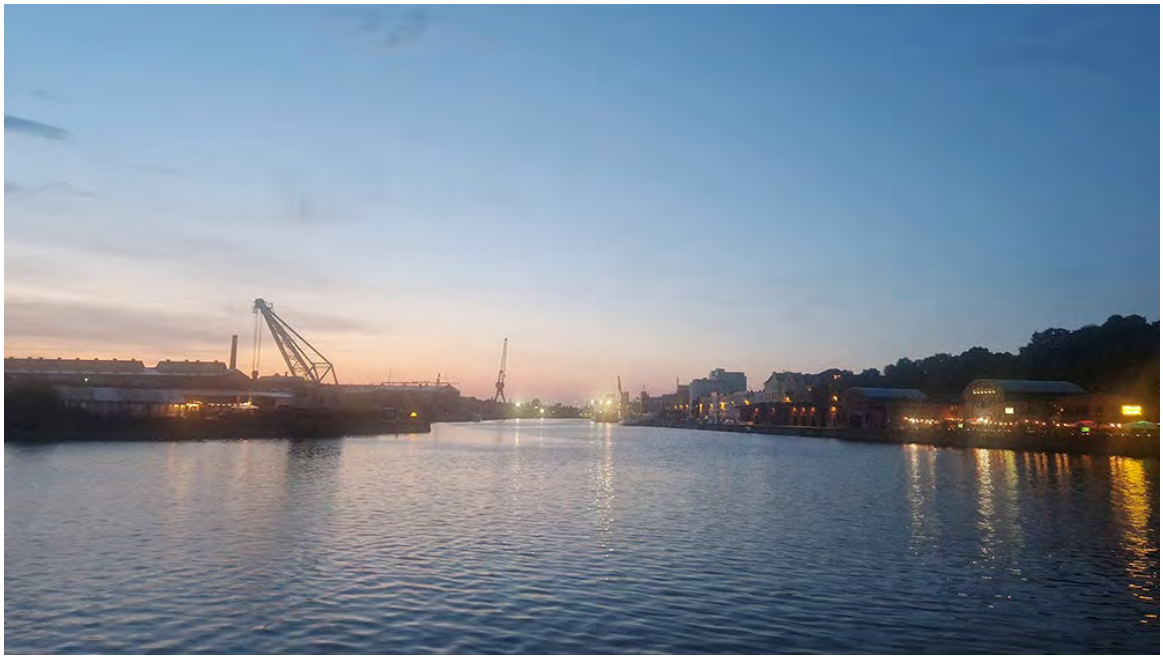
- Please also check whether you have separately registered for "A Vision for Masonry", as this evening event is not automatically included in the general conference registration.
- For conference participants, the event is **available at a strongly reduced additional fee**.
- The evening offers outstanding keynote contributions, a relaxed get-together with finger food and drinks, and a later social atmosphere with music.

This evening is particularly valuable because it goes well beyond a conventional conference reception. It creates a lively meeting point between international masonry research and the professional world of planning, engineering, execution, and industry.

The evening is intended as one of the central networking opportunities of the conference week, combining keynote-level input, interdisciplinary discussion, and informal exchange in a relaxed atmosphere.

Please book at

- https://muk.online-ticket.de/imc-2026 (watch for "Choose your extra")

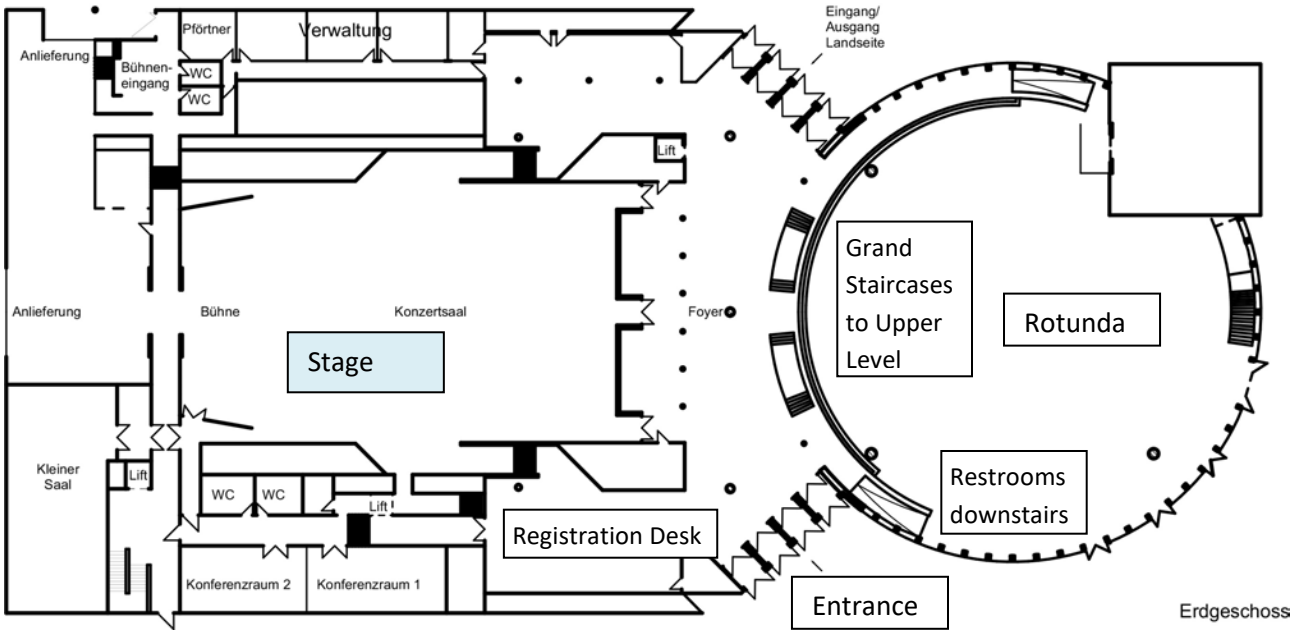


Evening atmosphere in Lübeck — a fitting setting for exchange, networking and new perspectives on the future of masonry. © Gigla

Venue Orientation: MUK Floor Plans

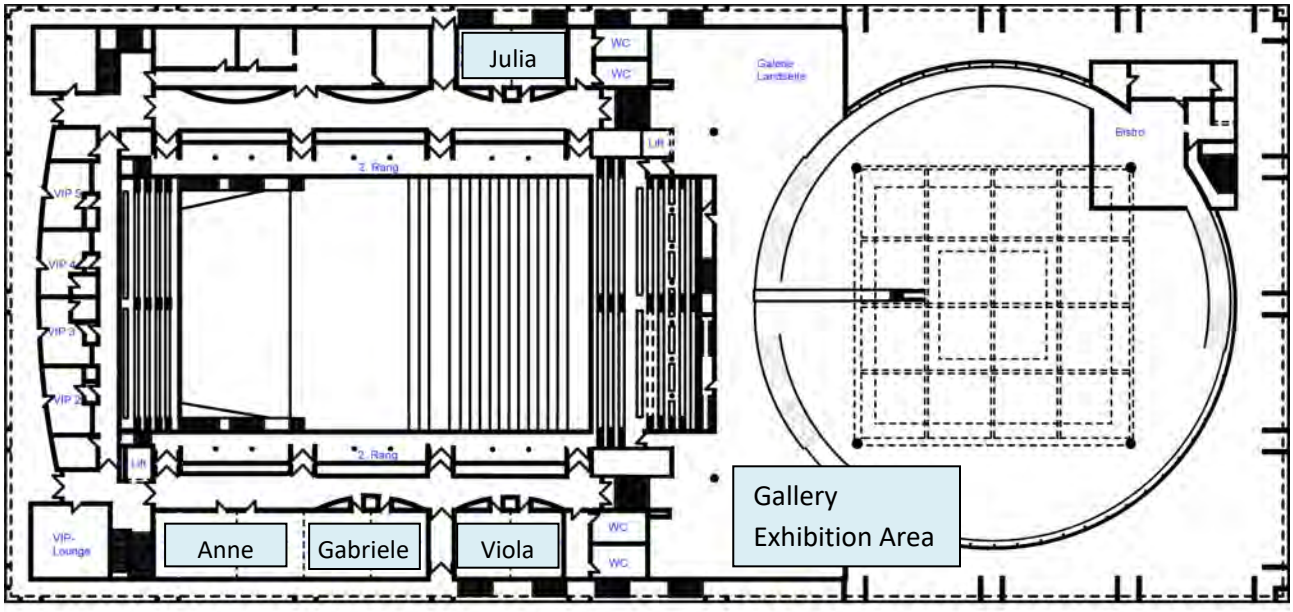
Find your session, coffee break, lunch, and exhibition areas at a glance

(For organisational questions during the conference, please contact the registration desk in the MUK foyer)



Ground Floor

City Side



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Stand: Juli 2010

Upper Level

City Side

Wi-Fi at MUK: Wi-Fi network (SSID): IMC2026, Network password: IMC#2026

Information for Presenters

Please bring your final presentation file on a USB memory stick and include the three-digit paper number in the file name. Presentations should be copied to the conference computer during the break before your session at the latest. Please arrive in your session room early and contact your Session Chair.

The presentation computers at the MUK will use Windows systems. Please check fonts, formatting, animations, and embedded media in advance. We strongly recommend bringing an additional PDF version of your presentation as a backup. A test computer will be available at the registration desk; presenters using Mac/Linux systems, special fonts, videos, or other media are especially encouraged to test their presentation before the session.

Oral presentations are scheduled for 15 minutes in total. Please plan for approximately 12 minutes of presentation and 3 minutes for questions. To ensure fairness to all speakers, the time limit will be applied strictly.

To help Session Chairs introduce each speaker briefly and correctly, presenters are kindly asked to complete the Presenter Introduction Form and hand it to their Session Chair before the session, preferably during the preceding break. The form has been sent by email and will also be available at the registration desk.

(IMC 2026, AI assisted original illustration)

Share your work, join the discussion, and connect with the international masonry community — each presentation helps shape the exchange that makes IMC 2026 come alive

Programme at a Glance

IMC 2026 | 12–15 July 2026 | MUK, Lübeck, Germany

Sunday, 12 July 2026

Pre-Conference Day

Optional Tours & Welcome Reception
14:00–16:00 — Optional Guided Tours (individual booking) – Discover Lübeck
https://muk.online-ticket.de/imc-2026 (watch for "Choose your extra")

1. The Sacred Landscape
2. Lübeck's Historic Townhouses & Salt Exposure
3. Fortifications and Medieval Construction Techniques

16:00–19:00 — Registration & Welcome Reception: Meet fellow delegates, early networking, refreshments. (Room: Gallery)

Day 1 — Monday, 13 July 2026

Opening Day with Extended Parallel Sessions

09:00–10:30 — Opening Ceremony and Keynotes (Room: Stage)

- Welcome addresses
  Pia Steinrücke, Senator for Economic and Social Affairs
  Chair of the Organising Committee
- Dr. Martin Rücker & Alexander Böttcher, Ministry of the Interior: "The Future of Construction Product Reuse, Sustainable Procurement: Transforming Construction."
- Prof. Inge Rörig-Dalgaard DTU Copenhagen: "Status on reuse of fired clay bricks – ready for the future?"
- Dr. Dirk Rieger: "Introduction to Lübeck's urban structure and its outstanding historic landmarks"

10:30–11:00 — Coffee Break (Gallery)

11:00–12:30 — Parallel Sessions I (4 Tracks)

- Masonry Materials and Testing I (Room: S1-2 - Viola)
- Numerical Modelling I (Room: S3-4 – Gabriele)
- Structural Design (Room: S5-6 - Anne)
- Innovation and Sustainability of Masonry I (Room - S7-8: Julia)

12:30–13:30 — Lunch (Gallery)

13:30–15:00 — Parallel Sessions II (4 Tracks)

- Conservation of Historic Buildings (Room: S1-2 - Viola)
- Novel Modelling and Experimental Techniques I (Room: S3-4 – Gabriele)
- Infill Walls (Room: S5-6 - Anne)
- New Construction Techniques and Technologies (Room - S7-8: Julia)

15:00–15:30 — Coffee Break (Gallery)

15:30–17:00 — Parallel Sessions III (3 Tracks)

- Earthquake Engineering and Eurocode 8 - I (Room: S1-2 - Viola)
- Maintenance, Repair, Strengthening and Retrofitting (Room: S3-4 – Gabriele)
- Durability, Deterioration and Moisture Effects (Room: S5-6 - Anne)

Day 1 — Monday, 13 July 2026

18:00–23:00 — "A Vision for Masonry" (individual booking), Room: Stage
https://muk.online-ticket.de/imc-2026 (watch for "Choose your extra")

Professional & Industrial Evening Keynote contributions, Industrial partners, networking, music & refreshments

- Prof. Paulo B. Lourenço (Univ. do Minho) "Timeless Materials, Beyond Sustainability: A Vision for Masonry"
- Prof. Bahman Ghiassi (University of Birmingham): "Generative AI Revolution for Cracking the Code in the Nonlinear Analysis and Assessment of Masonry at Scale"
- M. Taghavi / M. Mlynski: "Resilient and efficient: masonry construction using the WLTR mobile robot"
- Prof. Dietmar Walberg (ARGE eV) "Masonry Construction: Cost Effectiveness, Building Culture, Regional Value Creation"
- Relaxed get-together with finger food and drinks, and a later social atmosphere with music.


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We will welcome the WLTR Masonry Robot as a very special conference participant and discuss, how mobile robotics can support the construction of resilient masonry — faster, more efficiently, and with a clear connection to the long tradition of clay brick architecture in Lübeck.
This contribution is kindly supported by Wienerberger.

Day 2 — Tuesday, 14 July 2026

Keynote Sessions, Extended Parallel Sessions and Gala Dinner

09:00–10:00 — Morning Keynote (Room: Stage)

Prof. Katrin Beyer (EPFL, Switzerland): Unreinforced Masonry: Seismically Safe and Sustainable – What Are the Options?

10:00–10:30 — Coffee Break (Gallery)

10:30–12:30 — Parallel Sessions IV (3 Tracks)

- Brick Infrastructure (Room: S1-2 - Viola)
- Case Studies (Room: S3-4 – Gabriele)
- Numerical Modelling II (Room: S5-6 - Anne)

12:30–13:30 — Lunch (Gallery)

13:30–15:30 — Parallel Sessions V (4 Tracks)

- Veneer Walls and Wall Ties (Room: S1-2 - Viola)
- Masonry Materials and Testing II (Room: S3-4 – Gabriele)
- Innovation and Sustainability of Masonry II (including resilience, climate change and low-carbon solutions) (Room: S5-6 - Anne)
- Assessment, Monitoring and Performance of Existing Masonry (Room - S7-8: Julia)

15:30–16:00 — Coffee Break (Gallery)

16:00–18:00 — RILEM and DAfM Plenary Meetings, and Student Competition (lintel testing)

19:00–23:00 — Gala Dinner (MUK Rotunda)

- Festive dinner, short keynote talks, welcome addresses and award ceremony, music & celebration

Plenary Rooms:
RILEM: Viola
DAfM: Gabriele
Stud. Comp.: Stage

Day 3 — Wednesday, 15 July 2026

Keynote Sessions, Final Parallel Sessions and Closing Ceremony (Conference closes at 15:30)

09:00–10:00 — Morning Keynote (Room: Stage)

Prof. Wolfram Jäger (Dresden, Germany): Adobe Masonry – Learning from the Past to Shape the Future

10:00–10:15 — AI and Digitalisation (Room: Stage)

Paulo Lourenço: Summer School on AI Tools – Report on Selected Outcomes

10:15–10:30 — 3-Minute Poster Lightning Talks (Room: Stage)

10:30–11:00 — Coffee Break (Gallery)

11:00–12:30 — Parallel Sessions VI (4 Tracks)

- Masonry Materials and Testing III (Room: S1-2 - Viola)
- Reinforced and Confined Masonry (Room: S3-4 – Gabriele)
- Architecture with Masonry (Room: S5-6 - Anne)
- Arches and Vaulted Structures (Room - S7-8: Julia)

12:30–13:30 — Lunch (Gallery)

13:30–15:00 — Parallel Sessions VII (3 Tracks)

- Novel Modelling and Experimental Techniques II (Room: S1-2 - Viola)
- Earthquake Engineering and Eurocode 8 - II (Room: S3-4 – Gabriele)
- Earthen Construction and Related Innovations: Papers, Perspectives and Practice (Room: S5-6 - Anne)

15:00–15:30 — Closing Ceremony (Room: Stage)

Conference reflections, acknowledgements and farewell.

Post-Conference Programme (Individual booking)

https://muk.online-ticket.de/imc-2026 (watch for “Choose your extra”)

16:00–18:00 — Guided Technical Excursion

- “House Almost Without Heating, 2226”:
  Monolithic Masonry Construction, Prefabrication (with integrated windows),
  New and Innovative Building Concept. Guided by M. Sc. Louisa Nittel (Bus transfer included)

WLTR Masonry Robot

- We are pleased to welcome the WLTR masonry robot as a very special conference participant at IMC 2026. The robot will be working on Monday and Tuesday and can be visited individually during the conference programme, for example during breaks or between sessions.
- As part of the Professional and Industrial Evening “A Vision for Masonry” on Monday, the WLTR contribution will also be discussed in the wider context of resilient, efficient, and future-oriented masonry construction. The presentation will address how mobile robotics can support masonry construction — faster, more efficiently, and with a clear connection to the long tradition of clay brick architecture in Lübeck.
- This contribution is kindly supported by Wienerberger

Day 1 — Monday, 13 July 2026

Opening Ceremony and Keynotes (09:00–10:30): Room: Stage

Welcome addresses: Pia Steinrücke, Senator for Economic and Social Affairs and: Chair of the Organising Committee

Opening Keynotes

Time	Presenting Author	Title [Paper #]	Page
9:15–9:45	Martin Rücker & Alexander Böttcher	The Future of Construction Product Reuse, Sustainable Procurement: Transforming Construction	–
9:45–10:00	Inge Rörig-Dalgaard	Status on reuse of fired clay bricks – ready for the future? [K2]	
10:00–10:30	Dirk Rieger	Introduction to Lübeck's urban structure and its outstanding historic landmarks*	–
*Supplementary keynote material is available for free download via the IMC 2026 website: www.masonry.org.uk/11-imc/			

Parallel Sessions I (11:00–12:30)

Masonry Materials and Testing I

Room: S1-2 - Viola Chair: Vlatko Bosiljkov

Time	Presenting Author	Title [Paper #]	Page
11:00–11:15	Birger Gigla	Comparison of Methods for Determining the Compressive Strength of Existing Masonry [71]	
11:15–11:30	Adam Elias	Determination of Masonry Compressive Strength via Lateral Compression Testing of Drilled Cores [97]	
11:30–11:45	Detleff Schermer	Load-bearing and deformation behaviour of masonry structures [4]	
11:45–12:00	Guilherme Aris Parsekian and Elaine Pavei	Compressive and Flexural Strength of Blocks, Prisms and Small Soil-Cement Walls with and without Grout [242]	
12:00–12:15	Franz Loderer	Mechanical behaviour of AAC masonry under lateral loading [227]	
12:15–12:30	Khaled Ba-shammakh	Stuctural Behaviour of Stone Masonry Bearing Walls in Yemen: A multi-leaf wall study [57]	

Numerical Modelling I

Room: S3-4 - Gabriele Chair: Katrin Beyer

Time	Presenting Author	Title [Paper #]	Page
11:00–11:15	Abide Aşıkoğlu	Mechanism Matters: Lessons from Calibrating Continuum FE Models of Calcium-Silicate Masonry [160]	
11:15–11:30	Kristian Falkjar	Differences between experimental values and modelling parameters with a specific focus on elasticity [68]	
11:30–11:45	Truong Diep Hasenbank-Kriegbaum	Probabilistic Analysis of Dry-Stacked Masonry Wall under Eccentric Axial Loading Considering Slenderness Effects [27]	
11:45–12:00	Yahroun Hermans	Computational Geometry Reconstruction of 3D Irregular Multi-Leaf Masonry with Generated Internal Blocks and Lumped Joints [148]	
12:00–12:15	Paul Korswagen	Aspects To Consider When Modelling the Response of Masonry Façades to Ground Movements: Lessons From A Few Studies [54]	
12:15–12:30	Gijs Eumelen	Comparative study of macro and micro modelling strategies to simulate masonry damage due to soil settlements [204]	

Day 1 — Monday, 13 July 2026

Parallel Sessions I (11:00–12:30)

Structural Design

Room: S5-6 - Anne Chair: Jan Kubica

Time	Presenting Author	Title [Paper #]	Page
11:00–11:15	Franziska Amberger	Optimization of the design of masonry structures under horizontal loads [3]	
11:15–11:30	Sreekanta Das	Effect of Bonding Pattern on the Structural Behaviour of Reinforced Concrete Masonry Walls [16]	
11:30–11:45	Mark Masia	Framework for Evaluating the Effective Moment of Inertia of Concrete Masonry Walls [12]	
11:45–12:00	Mark Hagel	Design of Shelf Angles on Stand-offs Using Force Method and Virtual Work [18]	
12:00–12:15	Krzysztof Grzyb	Shear Capacity of Masonry Walls: Insights from ASTM Standard Tests [152]	
12:15–12:30	Mark McGinley	Shear Capacity of Masonry Walls under Combined Shear and Uplift. [240]	

Innovation and Sustainability of Masonry I

Room: S7-8 - Julia Chair: Bahman Ghiassi

Time	Presenting Author	Title [Paper #]	Page
11:00–11:15	Tesfaalem Atsbha	Investigating the Early-Age Physical Properties of Belite Calcium Sulfoaluminate Concrete for Concrete Masonry Units [213]	
11:15–11:30	Maria Belen Gaggero	Bacteria-based self-healing agent for masonry crack repair [167]	
11:30–11:45	Severin Kysela	A Reusable Prefabricated Brick Wall System for Circular Construction: Development, Structural Concept, and Life Cycle Potential [43]	
11:45–12:00	Nora Lang	Whole Life Carbon Comparisons on Building Level. Case study on a multi-family house [51]	
12:00–12:15	Juliane Nisse	Untapped potential in the life cycle assessments of sustainable buildings [8]	
12:15–12:30	Yehia Aboziada	Compression and Tension Properties of Stack-Pattern Mortarless Concrete Blocks [108]	

Day 1 — Monday, 13 July 2026

Parallel Sessions II (13:30–15:00)

Conservation of Historic Buildings

Room: S1-2 - Viola Chair: Sara Ganzerli

Time	Presenting Author	Title [Paper #]	Page
13:30–13:45	Kidist Dereje Bedada	Characterization of Traditional Lime Mortar and Stone Masonry used in the Restoration of World Heritage Site in Gondar, Ethiopia [21]	
13:45–14:00	Giuliana Cardani	Challenging interpretations coming from flat jack tests applied to irregular masonry patterns [100]	
14:00–14:15	Mary Grace Lim Casuncad	A Methodical Framework for Historic Masonry Typology Classification and Numerical Model Calibration Using In-Situ Stress Tests [144]	
14:15–14:30	Tomas Gustavsson	Clay bricks for the maintenance of buildings from 1200-1850 [85]	
14:30–14:45	Molly Tate	The Steinwerke in Lübeck. Early Secular Brick Architecture and Construction Techniques in the High Middle Ages [55]	
14:45–15:00	Babar Ilyas	Effects of façade aspect-ratio on out-of-plane collapse mechanism of unreinforced masonry walls [13]	

Novel Modelling and Experimental Techniques I

Room: S3-4 - Gabriele Chair: Rita Esposito

Time	Presenting Author	Title [Paper #]	Page
13:30–13:45	Jennifer Gebhardt	Unit Cell Method for Testing Small Format Brick Masonry under In-Plane Shear [66]	
13:45–14:00	Eduarda Vila-Chã	Automated tracking of rigid body kinematics and deformations in dry-joint masonry wall panels in a laboratory setting. [149]	
14:00–14:15	Jan Kubica	Kinetics of the change in the value of the damage parameter of in-plane sheared masonry [157]	
14:15–14:30	Erika Ortega-Guamán	In-Plane Cyclic Response of 1/3-Scale and Full-Scale Unreinforced Masonry Walls with Arch Openings: Preliminary Results [220]	
14:30–14:45	Lewis J. Gooch	Wind Tunnel Modelling and Stochastic Finite Element Analysis of Lattice Masonry Walls Under Out-of-Plane Loading [233]	
14:45–15:00		Session discussion / chair buffer	

Day 1 — Monday, 13 July 2026

Parallel Sessions II (13:30–15:00)

Infill Walls

Room: S5-6 - Anne Chairs: Yi Liu and Daniel Quiun

Time	Presenting Author	Title [Paper #]	Page
13:30–13:45	Guido Magenes	Local interaction of RC frames with sliding-joint masonry infills using deformable contact materials: design guidelines [177]	
13:45–14:00	Bar Bamani	Experimental study of large-scale RC frames with Infill walls with sliding joints against progressive collapse [50]	
14:00–14:15	Yi Liu	Experimental Study of the Out-of-Plane Behaviour of Masonry Infilled Frames [61]	
14:15–14:30	Dietlinde Köber	Lightweight RC frame with AAC exterior and partition walls built in seismic areas [189]	
14:30–14:45	Ahmed Hisham Mabrouk	Advanced Macro-Modeling of Thick Masonry Infill Panels in RC Frames Under Seismic Loading: Experimental Validation and Parametric Insights [142]	
		Session discussion / chair buffer	

New Construction Techniques and Technologies

Room: S7-8 - Julia Chairs: Luca Pelà and Guil Parsekian

Time	Presenting Author	Title [Paper #]	Page
13:30–13:45	Mahmoud Abdelrahman	Experimental Investigation of the Compressive and Shear Strengths of Mortarless Masonry [109]	
13:45–14:00	Tatheer Zahra	Experimental Investigation on Grouted Dry-Stack Masonry Walls under Compression: Effect of Eccentricity, Reinforcement, and Slenderness Ratio [84]	
14:00–14:15	Tatheer Zahra	Compressive and Flexural Behaviour of Versaloc Semi-interlocking Mortarless Masonry Prisms with Varying Section Thicknesses – An Experimental Study [58]	
14:15–14:30	Alexander Wolf	Reproducing Historical Ceramic Building Components through AM [88]	
14:30–14:45	Tristan Brune	Modulus of elasticity calculation for non-load-bearing interior masonry [228]	
		Session discussion / chair buffer	

Day 1 — Monday, 13 July 2026

Parallel Sessions III (15:30–17:00)

Earthquake Engineering and Eurocode 8 - I

Room: S1-2 - Viola Chairs: Christoph Butenweg and Guido Magenes

Time	Presenting Author	Title [Paper #]	Page
15:30–15:45	Marta Bertassi	Validation of second-generation EC8 methods for seismic out-of-plane assessment of masonry walls [163]	
15:45–16:00	Angeliki Chronopoulou	Structural Behaviour and Conservation Challenges in Villa “La Rotonda” of Andrea Palladio: an interdisciplinary Approach [30]	
16:00–16:15	Nicolò Damiani	Out-of-plane response of URM gable walls: from experimental testing to modeling and assessment tools [221]	
16:15–16:30	Nicolò Damiani	A fast, NLTHA-based assessment method for out-of-plane capacity of URM walls: the Wandenaanpak framework for the Groningen building stock [172]	
16:30–16:45	Hervé Degée	Seismic analysis of clay masonry buildings including acoustic insulation devices [130]	
16:45–17:00	Kingsley Igwilo	Cyclic Response of Masonry Partition Wall Top Connections with Steel Angles [29]	

Maintenance, Repair, Strengthening and Retrofitting

Room: S3-4 - Gabriele Chair: Giuliana Cardani

Time	Presenting Author	Title [Paper #]	Page
15:30–15:45	Vlatko Bosiljkov	Strengthening of Slender Brick and AAC Masonry Walls Using Optimized Fiber Fabric Layouts [230]	
15:45–16:00	Tsung Chih Chiou	Experimental Study on Steel-Frame Retrofitting for Brick Walls with Openings [75]	
16:00–16:15	Francesca Ferretti / Claudio Mazzotti	Comparison between diagonal compression and shear-compression tests for the evaluation of shear strength of FRCM-reinforced masonry panels [205]	
16:15–16:30	Felipe Orduz	Seismic Assessment of a URM Wall with Openings Strengthened with an RC Frame. An Experimental Investigation [132]	
16:30–16:45	Luca Penazzato	Experimental testing of an innovative composite reinforced mortar system for integrated structural and energy retrofitting of masonry buildings [44]	
16:45–17:00	Sara Donzelli	The Assessment of Wall Connections in Pompeii Plastered Buildings using GPR [229]	

Day 1 — Monday, 13 July 2026

Parallel Sessions III (15:30–17:00)

Durability, Deterioration and Moisture Effects

Room: S5-6 - Anne Chairs: Mohammad Kahangi and Raphael Kampmann

Time	Presenting Author	Title [Paper #]	Page
15:30–15:45	Vincent Claude	Efflorescence on brick masonry: influence of mortar additives [53]	
15:45–16:00	Burcu Dinç Şengönül	Environmental Ageing of Brick Masonry under Freeze–Thaw Cycles [112]	
16:00–16:15	Jan Mandinec	Progression of Microclimate-Induced Degradation of Brick Façades Using Drone Imagery and Computer Vision [118]	
16:15–16:30	Daniele Kauctz Monteiro	Frost damage assessment of old Canadian bricks using mixed experimental techniques: preliminary results [73]	
16:30–16:45	Asude Yaren Ünal	Behavior of Natural Fiber-Based Textile Meshes in Lime-Based Mortar Environment. A Bibliometric-Guided Experimental Framework for the Alkaline Durability of Flax Fibers [94]	
		Session discussion / chair buffer	

Professional and Industrial Evening “A Vision for Masonry”

18:00–ca. 23:00 (individual Booking) https://muk.online-ticket.de/imc-2026 (watch for “Choose your extra”)

Room: Stage

Time	Presenting Author	Title [Paper #]	Page
18:30–19:15	Paulo B. Lourenço	Timeless Materials, Beyond Sustainability: A Vision for Masonry	–
19:15–19:45	Bahman Ghiassi	Generative AI Revolution for Cracking the Code in the Nonlinear Analysis and Assessment of Masonry at Scale [K5]	
19:45–20:15	Meysam Taghavi and Marius Mlynski	Resilient and efficient: masonry construction using the WLTR mobile robot [K]	
20:15–21:00	Dietmar Walberg	Masonry Construction: Cost Effectiveness, Building Culture, Regional Value Creation	–
21:00–23:00	**Networking & Evening Get-together with Music, Drinks and Light Food** with opportunities for informal discussions with speakers and participants		

Day 2 — Tuesday, 14 July 2026

Morning Keynote

Room: Stage

Time	Presenting Author	Title [Paper #]	Page
9:00–10:00	Katrin Beyer	Unreinforced Masonry: Seismically Safe and Sustainable – What Are the Options?	–

Parallel Sessions IV (10:30–12:30)

Brick Infrastructure

Room: S1-2 - Viola Chairs: Jenny Keßler and Conrad Pelka

Time	Presenting Author	Title [Paper #]	Page
10:30–10:45	Jenny Keßler	Experimental Investigations on Dynamic Effects on Railway Masonry Arch Bridges [24]	
10:45–11:00	Jan-Hauke Bartels	Grouting of Historic Masonry Arch Bridges – A Case Study on the Rendsburg Loop [78]	
11:00–11:15	Luca Pelà	Experimental Investigation of Damage Response and Collapse Mechanism in a Laboratory-Built Masonry Arch Bridge [121]	
11:15–11:30	Francesco Messali	Fragility curves of historic masonry quay walls subjected to foundation damage and traffic loading [125]	
11:30–11:45	Conrad Pelka	Maintenance Strategies of Railway Arch Bridges. Preserving Arch Bridges: A Responsibility [23]	
11:45–12:00	Sam Cocking	Acoustic Emission Sensing of the Structural Deterioration of a Heritage Masonry Railway Bridge [101]	

Day 2 — Tuesday, 14 July 2026

Parallel Sessions IV (10:30–12:30)

Case Studies

Room: S3-4 - Gabriele Chair: Rita Bento

Time	Presenting Author	Title [Paper #]	Page
10:30–10:45	Victor Barrenechea	Structural Resilience Patterns in Unreinforced Masonry [117]	
10:45–11:00	Natalie Smith	Transitional Masonry Buildings in Canada: A Case Study on the Château Frontenac Hotel [103]	
11:00–11:15	Josip Galic	Post-Earthquake Retrofitting of the Basilica of the Most Sacred Heart of Jesus in Zagreb [231]	
11:15–11:30	Sara Ganzerli	The “unexpected” earthquake of 2012 in Northern Italy [40]	
11:30–11:45	Andrea Scotti	Numerical interpretation of the causes of damage in Chiaravalle Abbey in Milan [216]	
11:45–12:00	Jamie Marrs	Moving the Impenetrable. Relocation of the Registry Office in Ottawa, Canada [47]	
12:00–12:15	Luigi Sorrentino	Non-destructive testing on 20th century interventions in the 17th century Galleria Borghese in Rome, Italy [156]	
12:15–12:30	Ralph Egermann	When Repairs Cause Damage [139]	

Numerical Modelling II

Room: S5-6 - Anne Chair: Ece Erdogmus

Time	Presenting Author	Title [Paper #]	Page
10:30–10:45	Guilherme Parsekian and Nigel Shrive	Sensitivity analysis on modelling concrete masonry shear walls using the VecTor2 analytical approach [135]	
10:45–11:00	Sebastián Calderón	Cyclic simulation of the structural response of a CMU PG reinforced masonry two-story house [193]	
11:00–11:15	Ziwei Dai	Predicting Capacity Loss in Settlement-Damaged Masonry Walls under Pushover Loads: An SLA-Based Framework [186]	
11:15–11:30	Huan He	Numerical study on the seismic out-of-plane performances of masonry gable walls [171]	
11:30–11:45	Nemanja Krtinić	Cyclic Response of Confined Masonry Walls Using Macro-Models: Evaluation of Seismic Forces in Tie-Columns [106]	
11:45–12:00	Alfonso Prosperi	3D Nonlinear Coupled Models for Unreinforced Masonry Buildings under Differential Settlement Induced by Groundwater Lowering [95]	
12:00–12:15	Ahmet Yildirim	Out-of-Plane Behavior of URM Walls: Effects of Sidewalls and Precompression [124]	
12:15–12:30	Andres Arce	Experimentally Validated Numerical Study of Parameters Affecting the Modulus of Rupture of Concrete Masonry Beams [134]	

Day 2 — Tuesday, 14 July 2026

Parallel Sessions V (13:30–15:15)

Veneer Walls and Wall Ties

Room: S1-2 - Viola Chairs: Miklós Molnár and Birger Gigla

Time	Presenting Author	Title [Paper #]	Page
13:30–13:45	David Biggs	Creating a Unique Sloping Brick Veneer [14]	
13:45–14:00	Mark Masia	Corrosion of steel ties in masonry walls and implications for building resilience and structural safety [83]	
14:00–14:15	Md Akhtar Hossain	Corrosion Assessment of Wall Ties in Coastal Masonry: A Case Study from a Demolished School in Illawarra, Australia [39]	
14:15–14:30	Lyndsey Terry	Corrosion of steel wall ties within the air cavity micro-climate of brick veneer and cavity brick walls - Two years of field observations [48]	
14:30–14:45	Chee Yin Lam	Experimental Modal Analysis of Masonry Veneer Walls with Wall Tie Deterioration: Shaker-Laser Vibrometer vs. Impact Hammer [64]	
14:45–15:00	Robertas Zavalis	Experimental characterization of FRP ties on brick masonry veneer façades [140]	
15:00–15:15	Aous Soubh	Requirements for masonry anchors according to EN 845-1 and its local implementation under European law. An insight based on experiences by market surveillance authorities in Germany [127]	
15:15–15:30	Arturo Schultz	New Design Provisions for Post-Tensioned Masonry Beams and Lintels*	–
*Oral presentation; full paper forthcoming in *Masonry International*			

Masonry Materials and Testing II

Room: S3-4 - Gabriele Chair: Luca Pelà

Time	Presenting Author	Title [Paper #]	Page
13:30–13:45	Francesca Ferretti	Data collection about the use of core testing to estimate clay brick masonry compressive properties [201]	
13:45–14:00	Carlos Cruz-Noguez	Mechanical Characterization of Coarse and Fine Grouts for Structural Masonry Design [15]	
14:00–14:15	Alberto Casado Lordsleem Júnior	The masonry-concrete structure interface. Polymer-modified mortar flexibility evaluation [9]	
14:15–14:30	Jakov Oreb	Performance of sustainable LC3 mortars compared to conventional cement mortars in modern URM walls [116]	
14:30–14:45	Rasmus Stenholt-Jacobsen	One-Year Bond Strength Development of Outdoor Cured M0.9 Cement-Lime and Natural Hydraulic Lime Mortar [151]	
14:45–15:15		Session discussion / chair buffer	

Day 2 — Tuesday, 14 July 2026

Parallel Sessions V (13:30–15:15)

Innovation and Sustainability of Masonry II

Room: S5-6 - Anne Chairs: Shelley Lissel and Nigel Shrive

Time	Presenting Author	Title [Paper #]	Page
13:30–13:45	Florian Soßna	Investigations on the Use of Clay Thin-Bed Mortar in Load-Bearing Masonry [60]	
13:45–14:00	Daniele Malomo	Shear lap bond tests of geosynthetic-masonry assemblies under varying temperature: preliminary insights [38]	
14:00–14:15	Mohammad Kahangi	Towards simplified grading of reclaimed fired clay bricks: links between density, water absorption, and strength [69]	
14:15–14:30	Marcel Ramler-Kowollik	Cement-free masonry units made of lightweight aggregate concrete [31]	
14:30–14:45	Udo Meyer	Calculation of sound insulation for multi-storey buildings with monolithic thermal insulated brick masonry exterior walls [67]	
14:45–15:00	Bettina Hemme	Invited Perspective: Masonry Construction in Germany — Regulation, Best Practices and Perspectives [74]	
15:00–15:15		Session discussion / chair buffer	

Assessment, Monitoring and Performance of Existing Masonry

Room: S7-8 - Julia Chair: Jason Ingham

Time	Presenting Author	Title [Paper #]	Page
13:30–13:45	Gonzalo Lema	A cell-counting approach for post-seismic damage assessment of reinforced masonry walls. [191]	
13:45–14:00	Lara Briz Bejerano	Comparing Karsten Tube and ISO 15148 Capillary Absorption: Insights from Bricks and Lime Renders [162]	
14:00–14:15	Uday Jain	Challenges in Characterizing Interface Properties in Historic Masonry Infrastructure [194]	
14:15–14:30	Kate Mouling	Reliable UPV-based condition assessment of clay bricks under freeze-thaw cycles [169]	
14:30–14:45	Rita Bento	A national database of mechanical properties for the structural assessment of Portuguese masonry buildings [22]	
14:45–15:00	Christian Paglia	The conservation state of a stone masonry arch bridge over a water stream: a case study [10]	
15:00–15:15	Daniele Malomo	Point load test for evaluating the compressive strength of existing mortars: preliminary experimental insights and correlations with standardized tests [62]	

After Parallel Sessions V and the coffee break at 16:00, Rooms:

RILEM: Viola | DAfM: Gabriele | IMC Student Competition 2026: Stage

IMC Student Competition 2026 (Performance prediction of a Brick Lintel System) Agenda:

- Welcome and preliminary remarks (Meyer, Room: Stage)
- Recent tests on masonry lintels: TH Lübeck (Kampmann & Franzenburg) / OTH Regensburg (Amberger et al.)
- Short presentations by the participants
- Live testing at the MUK (Kampmann & Franzenburg)
- Discussion of the observations and comparison with predictions / Concluding remarks (Lourenço)

Day 3 — Wednesday, 15 July 2026

Morning Keynotes

Room: Stage

Time	Presenting Author	Title [Paper #]	Page
9:00–10:00	Wolfram Jäger	Adobe Masonry - Learning from the Past to Shape the Future [K10]	
10:00–10:15	Paulo Lourenço	Summer School on AI Tools, Report on Selected Outcomes [K11]	

3-Minute Poster Lightning Talks (10:15–10:30)

3-Minute Poster Lightning Talks

Room: Stage Chair: Carsten Rode

Time	Presenting Author	Title [Paper #]	Page
10:15–10:18	Chair	Introduction to the Poster Lightning Talks	
10:18–10:21	Evy Vereecken	Hygrothermal Properties of Historic Fired Clay Bricks [150]	
10:21–10:24	Hans-Günther Schwarz	ZiHaus – House without heating [89]	
10:24–10:27	Hans-Günther Schwarz	ZiHaus – space miracle on 60 m² [90]	
10:27–10:30	Samir Mosahebi	Recent Australian Award-Winning Projects [245+246]	

Parallel Sessions VI (11:00–12:30)

Masonry Materials and Testing III

Room: S1-2 - Viola Chairs: Paul Korswagen and Holger Stehr

Time	Presenting Author	Title [Paper #]	Page
11:00–11:15	Ahmed Elsaadawy	Experimental Evaluation of Lap-Splice Requirements for Grade 690 Reinforcement in Masonry Walls [196]	
11:15–11:30	Bastian Franzenburg	Deformational behavior and load-bearing capacities of masonry lintels made from vertically perforated bricks [123]	
11:30–11:45	Mati Ullah Shah	Experimental Investigation of Rubble Stone Masonry Microstructure: Overview and Preliminary Results [173]	
11:45–12:00	Shelley Lissel	A Shear-Friction Design Model for Partially Grouted Masonry Walls [222]	
12:00–12:15	Simon Wood	An experimental programme to establish the effects of edge restraint on the moisture movement of single-leaf clay brickwork walls [72]	
12:15–12:30	Navid Vafa	Full-field identification of elastic and shear moduli of perforated masonry walls using DIC and stiffness-based shear partition (Euler-Bernoulli vs Timoshenko). Comparison across clay brick, calcium silicate brick, and calcium silicate block masonry [87]	

Day 3 — Wednesday, 15 July 2026

Parallel Sessions VI (11:00–12:30)

Reinforced and Confined Masonry

Room: S3-4 - Gabriele Chairs: Sebastian Calderon and Khaled Ghalal

Time	Presenting Author	Title [Paper #]	Page
11:00–11:15	Douglas Tomlinson	Parametric Investigation of Vertical Reinforcement Arrangements in Slender Masonry Walls. [128]	
11:15–11:30	Daniel Quiun	Comparison of Structural Models for Confined Masonry Buildings [93]	
11:30–11:45	Marta Kałuża	Proposal for calculating the reinforcement contribution to the shear capacity of a AAC block masonry walls reinforced with GFRP plaster meshes on adhesive mortar [241]	
11:45–12:00	Laura Vargas	Macro-modeling of partially-grouted reinforced masonry walls with openings: A sensitivity study of design parameters [147]	
12:00–12:15	Daniel Quiun	Structural behavior of confined masonry walls made of horizontally-hollow bricks [102]	
12:15–12:30		Session discussion / chair buffer	

Architecture with Masonry

Room: S5-6 - Anne Chairs: Heiner Lippe and Sara Ganzerli

Time	Presenting Author	Title [Paper #]	Page
11:00–11:15	Craig Baltimore	Expanding Classroom Education: A non-traditional real-world master's project [110]	
11:15–11:30	Carsten Rode	Engaging Civil and Architectural Engineering Students in the Topic of Brick and Masonry: Combining Theory and Practice [217]	
11:30–11:45	Andreas Luescher	Learning from Sol LeWitt's Concrete Masonry Unit Structures [104]	
11:45–12:00	Bérengère Le	Considerations on the mechanical resistance of brick masonry screen walls [178]	
12:00–12:15	Dietlinde Köber	Reconversion of masonry warehouse into a church. Structural challenges [190]	
12:15–12:30	Dietmar Walberg	The contribution of masonry construction to affordable housing in Germany [218]	

Day 3 — Wednesday, 15 July 2026

Parallel Sessions VI (11:00–12:30)

Arches and Vaulted Structures

Room: S7-8 - Julia Chairs: Luigi Sorrentino and Nigel Shrive

Time	Presenting Author	Title [Paper #]	Page
11:00–11:15	Chao Zhou	Stability Analysis of Masonry Arches comparing FEM models and Heyman's Theory results [46]	
11:15–11:30	Nicolò Damiani	Discontinuum analysis of masonry arch bridges: sensitivity to modeling assumptions [185]	
11:30–11:45	Sergio Coll-Pla	Semi automatised proposal for the formal analysis of masonry ribbed vaults [197]	
11:45–12:00	Nigel Shrive	The need for education and design parameters for arches [-]	
12:00–12:15	Mojmir Uranjek	Evaluation of damage and strengthening procedures for masonry shells and vaulted forms in historical buildings in Slovenia [166]	
12:15–12:30	Chair	Concluding Roundtable: Arches and Vaulted Structures - Papers, Perspectives and Practice	

Parallel Sessions VII (13:30–15:00)

Novel Modelling and Experimental Techniques II

Room: S1-2 - Viola Chair: Francesca Ferretti

Time	Presenting Author	Title [Paper #]	Page
13:30–13:45	Alessandro De Iasio	Structural performance of masonry walls under waterborne debris impacts [155]	
13:45–14:00	Michele Godio	Experimental evaluation of energy absorption and residual load-bearing capacity of masonry walls under distributed impacts [45]	
14:00–14:15	Yopi Oktiovan	Spectrum-matched sinusoidal excitation for out-of-plane seismic assessment of masonry walls using DEM [243]	
14:15–14:30	Yopi Oktiovan	A Distinct Element Method Comparison of Retrofit Systems for a Two-storey Unreinforced Masonry Building [164]	
14:30–14:45	Carlos Cruz-Noguez	Numerical Investigation of the Out-of-Plane Behaviour of Segmental Post-Tensioned Masonry Walls [198]	
14:45–15:00	Patrick Bamonte	Crack Patterns in an Industrial Masonry Chimney Explained by a Heterogeneous FE Model [1]	

Day 3 — Wednesday, 15 July 2026

Parallel Sessions VII (13:30–15:00)

Earthquake Engineering and Eurocode 8 - II

Room: S3-4 - Gabriele Chairs: Detleff Schermer

Time	Presenting Author	Title [Paper #]	Page
13:30–13:45	Guido Magenes	Displacement based seismic verification of a modern URM building: Comparison of the new generation Eurocode 8 and the Italian NTC2018 on a case study [181]	
13:45–14:00	Christoph Butenweg	Seismic Performance of Reinforced Concrete Frames with an Innovative Decoupled Masonry Infill System [203]	
14:00–14:15	Lorenzo Miccoli	Reinforced AAC masonry system for seismic-prone areas [226]	
14:15–14:30	Nisrein Mukattash	New approach for the estimation of drift capacity of masonry shear walls made of hollow clay bricks considering wall-slab interaction [111]	
14:30–14:45	Ernesto Inzunza-Araya	The effect of the wall size, brick mechanical properties and bed joint reinforcement on the seismic response of unreinforced masonry walls [115]	
14:45–15:00	Savvas Saloustros	Size effect on rubble stone masonry walls under in-plane seismic loading [36]	

Earthen and Vernacular Masonry: Related Innovations, Perspectives and Practice

Room: S5-6 - Anne Chairs: Wolfram Jäger and Joachim Meyer

Time	Presenting Author	Title [Paper #]	Page
13:30–13:45	Annika Becker	Numerical Modelling of Load-bearing Earth Masonry [37]	
13:45–14:00	Hervé Degée	Mechanical characterization of unfired clay block masonry [131]	
14:00–14:15	Heiner Lippe	Load-Bearing Earthen Masonry in Germany [208]	
14:15–14:30	Igor Tomić	Building on Tradition: Earthquake-Resilient Vernacular Construction in Pakistan [114]	
14:30–14:45	Hans-Günther Schwarz	ZiHaus – House without Heating [89]	
		Session discussion / chair buffer	

Day 3 — Wednesday, 15 July 2026

Closing Ceremony (15:00–15:30). Room: Stage

Organising Committee

Final Technical Excursion – Wednesday, 15 July 2026

Day 3 — Wednesday, 15 July 2026

16:00–approx. 18:00 (individual booking, bus transfer from MUK)

At the end of IMC 2026, participants are invited to join the final technical excursion to the **"House Almost Without Heating, 2226",** located in Lübeck, just outside the historic city centre.

The excursion will visit a building designed by Baumschlager Eberle Architekten according to the "2226 – House Almost Without Heating" principle. The concept aims to maintain indoor temperatures between 22 and 26°C throughout the year by making deliberate use of the thermal performance of a massive monolithic brick construction, with reduced reliance on technical systems.

A particularly innovative aspect is the use of prefabricated wall panels of monolithic masonry, delivered to site with the windows already installed and assembled on site. The visit will offer insights into monolithic masonry construction, industrial prefabrication, modular and efficient construction processes, building physics, material choices, and the practical implementation of an innovative climate-responsive building concept under northern German climate conditions.

Following the Closing Ceremony, a short introduction to the excursion will be given at 15:45 in room Stage. Afterwards, the group will walk together to the bus departure point. The excursion includes bus transfer from the MUK. Bus departure at 16:20 from the MUK coach parking area.

Please note that luggage storage at the MUK will not be available after 16:00. Participants joining the excursion are therefore kindly asked to make their own arrangements for luggage before departure.

- Participation fee: €20.00. Individual booking is required due to limited places:
  https://muk.online-ticket.de/imc-2026
  Please select "Choose your extra" during the booking process.

Expert Guide:

M. Sc. Louisa Nittel is a civil engineer and building consultant at August Lücking GmbH & Co. KG, Warburg, Germany. Her work focuses on technical advice for masonry and concrete construction, including structural design, building physics, fire protection, detailing, and sustainability. She is active in technical committees and professional training and holds a Master's degree in Civil Engineering from the University of Kassel, Germany.

What to Wear

IMC 2026 brings together scientific exchange, professional networking, social events, and technical visits. Participants are therefore encouraged to choose clothing that is both appropriate to the programme and comfortable for a full conference day.

- Scientific Sessions: business casual / smart casual,
- Professional Evening: jacket, blazer, shirt or blouse, smart trousers or comparable attire,
- Gala Dinner: business / smart business,
- Technical Excursions: comfortable shoes, weather-appropriate clothing, and sun protection if needed.

Participants are of course welcome to dress in a way that reflects their **personal, cultural, or religious background**. The overall aim is to create a professional, **welcoming, and comfortable atmosphere for everyone**.

What to Do Before or After the Conference

Local tips from the Conference Chair (Additional info will be provided at MUK)

Lübeck is small enough to explore on foot, but rich enough to reward an extra afternoon or evening. If you arrive early or stay a little longer, here are a few personal recommendations for restaurants, special local shops, and short excursions.

Restaurant tips from the Chair

San Marco
A relaxed and affordable Italian pizzeria in Lübeck's Old Town. A good option for uncomplicated dinners and larger groups, especially in summer, with many outdoor tables.

Fangfrisch
A highly recommended local fish restaurant with a strong sense of quality and honest, modern cooking. Fangfrisch is FEINHEIMISCH-certified, meaning that a large share of its products is sourced regionally; it is also listed in the Michelin Guide for Lübeck. Local beers and a lively Hanseatic atmosphere make it a very fitting choice for visitors to Lübeck.

Arsién
A must if you enjoy high-quality sushi. Arsién places strong emphasis on quality and carefully selected ingredients. Special tip: **"Sushi à la Arsién"**, available from two persons — a generous mixed sushi selection and probably the best way to experience the restaurant.

Mulino
Neapolitan-style pizza, friendly atmosphere, and a very good choice for smaller groups.

Seaside Lübeck
Italian cuisine on a ship, with a special maritime atmosphere and a beautiful view. The restaurant is located on the Lübeck canal and offers Italian food on board, including seating on the sun deck.

Taj Mahal, Große Burgstraße 59
Good-value Indian cuisine in the Old Town. A practical and affordable option for a relaxed dinner; the restaurant has been serving traditional Indian food in central Lübeck since 2009.

Schiffergesellschaft
A classic Lübeck experience. It is popular with visitors, but for good reason: the former guild house of the Lübeck seafarers was acquired by the Schiffergesellschaft between 1535 and 1538 and has retained its historic maritime character, with ship models, long wooden benches, and historic interior elements.

Strandsalon Lübeck

Just a few minutes' walk from the MUK, Strandsalon Lübeck is a summer beach club on the Wallhalbinsel, with sand, palm trees, lounge areas, bars, and views of the harbour and Lübeck's Old Town skyline. It is a relaxed option for an informal drink after the sessions and may be particularly attractive for younger participants. Opening hours are seasonal and weather-dependent, so please check the current information before going. The address is Willy-Brandt-Allee 25a.

Special local shops not to miss

Mest Marzipan, Breite Straße 13
Our regional delicacy partner for IMC 2026 has its shop in the heart of Lübeck. If you would like to take home a small, very local souvenir, this is an excellent stop — and marzipan is one of Lübeck's most famous traditions.

Das Freibackhaus, Glockengießerstraße 42
A very special bakery in Lübeck's Old Town. Baking has taken place at this address for centuries; according to local reporting, the tradition goes back to **1293**, and the bakery is described as Germany's oldest bakery. Today it is known as a traditional organic wholegrain bakery.

Mohrmann Gürtelmanufaktur, Fleischhauerstraße 52
A small, high-quality belt manufactory in Lübeck's Old Town. If you appreciate handmade leather goods, this is a very special local shop: belts and accessories are produced by hand in the workshop.

Lübeck from the water

Lübeck can also be experienced beautifully from the water. One very easy option is **Boat Now**, located close to the Old Town: visitors can rent a small electric boat, steer it themselves, and explore the waterways around Lübeck's Old Town island. The boats are electrically powered, quiet, and suitable for small groups of up to six people, making this a very good idea for a relaxed group activity before or after the conference.

Boat Now electric boat rental on Lübeck's Obertrave, close to the Holstentor — an easy way to explore the waterways around the Old Town island. The pier is about 600–700 m from the MUK and can be reached on foot in roughly 8–10 minutes. © Gigla

Stand-up paddling is another excellent way to experience Lübeck from the water. SUP boards can be rented at the Wakenitz, for example at local rental stations such as the Wakenitzhaus or Bootsvermietung Hübner near the Moltkebrücke. A SUP tour on the Wakenitz is especially attractive in summer: the river is calm, green, and close to the Old Town — and on warm days it is also a very pleasant place for a swim.

The Schiffergesellschaft, Lübeck's historic seafarers' guild house, acquired by the guild in the 16th century and today a traditional restaurant with a unique maritime interior. © Gigla

A short trip to the Baltic Sea: Travemünde

If you arrive early or stay a little longer, Travemünde is the easiest way to reach the Baltic Sea from Lübeck. Take the train from **Lübeck Hauptbahnhof** to **Lübeck-Travemünde Strand**. The journey takes about **23 minutes**, and from the Strandbahnhof it is only a short walk to the beach and the Baltic Sea. Travemünde is ideal for a seaside walk, a swim, or a relaxed evening by the water before returning to Lübeck. For a simple return trip to Travemünde, a regular local ticket is usually sufficient. Please check the current fare in the NAH.SH app or DB Navigator app before travelling. For longer day trips or small groups, day-ticket options may be attractive; the Schleswig-Holstein-Ticket covers regional transport in Schleswig-Holstein and Hamburg and is available for one to five travellers.

Baltic Sea Beaches © Gigla