

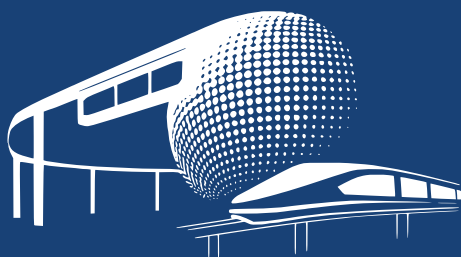


# MONORAILEX 2024

Neumarkt/Sengenthal,  
Germany

Conference

September 20 - 24, 2024



INTERNATIONAL **M**ONORAIL **A**SSOCIATION

# Invite

The International Monorail Association is excited to invite you to join its 16th annual conference, Monorailex 2024, scheduled to be held in Neumarkt/Sengenthal, Germany on September 20 through 22, 2024 with kind support of Max Bögl followed by a visit to InnoTrans in Berlin, September 24.

Monorailex is the annual conference of the International Monorail Association with its goal to provide a platform to present new research and development of monorail systems and operational findings. This platform targets towards experts involved in transportation planning in communities and metropolitan regions, in the industry as monorail system suppliers, the supply and service industries for vehicles and infrastructure, researchers and operators for mass transportation for an exchange.

The International Monorail Association also welcomes researchers to submit their original articles, which can be of academic or of practical value, to be published for the first time. We seek contributions that illustrate the different transportation systems, and ways to enhance their efficiency and showcase opportunities for empowering citizens in finding solutions in mass transportation.

Monorailex is composed of presentations of scholarly papers and expert lectures sharing their experience with the professional audience.

A special feature of our conference will be again the "Technical Visits" – this year starting already on Friday, September 20 with a tour to Max Bögl's "Transportsystem Bögl" (TSB) and a visit to the leading trade fair for railway and transport technology "InnoTrans" on Tuesday, September 24.

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## **Mission Statement**

The mission of the International Monorail Association is to organize the global monorail sector, promote the application of monorail, publish information, and initiate and support standardization processes of monorail for public mass transport infrastructure.

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## **Venue**

Park Inn by Radisson Neumarkt  
Nürnberg Strasse 4  
92318 Neumarkt

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## **Up-to-date Information**

For the latest event updates, please visit our website at [www.monorailex2024.org](http://www.monorailex2024.org).

Marko Krönke, President

# Schedule of Events

Subject to Change

## Annual General Meeting & Technical Visits Day

Friday, September 20, 2024

*Location: Max Bögl Conference Center, Sengenthal*

09:00 Board Meeting (all IMA Executive Council members)

10:30 *Welcome Coffee (all IMA members)*

11:30 Annual General Members Meeting (all IMA members)

13:30 *Light Lunch Snack (all registered Monorailex conference participants)*

15:00 Technical Tour Max Bögl (all registered Monorailex conference participants)

18:00 Bus transfer to conference hotel "Park Inn by Radisson Neumarkt"

*Location: Restaurant W3, Neumarkt (walking distance 15 min. from hotel)*

19:30 Welcome Reception, sponsored (all registered Monorailex conference participants)

# Schedule of Events

Subject to Change

## Conference Days

Saturday, September 21, 2024

Location: Conference Area, Hotel "Park Inn by Radisson Neumarkt"

- 08:00 Registration
- 09:00 Welcome
- 09:10 Keynote Speech
- 09:30 **P1** How Systems Integration becomes pivotal in Modern Monorail Projects, *Sener*
- 10:00 **P2** System Integration Activities for Interfaces Management between Monorail Technologies Systems and Civil Work Infrastructure, *Hitachi Rail STS*
- 10:30 Coffee Break, *in the foyer & In-house exhibition*
- 11:15 **P3** Non-standard Spans for Monorail Elevated Structures, *Sener*
- 11:45 **P4** Lifting Devices/Procedures for Monorail Curved Precast Guideway Beams, *Innova*
- 12:15 **P5** Optimizing Guideway Beam Deflection in Monorail Systems: A Sensitivity Analysis of Construction Variables and the Role of Observational Teams, *Innova*
- 12:45 Networking Lunch, sponsored *Restaurant Area Park Inn Hotel*  
In-house exhibition
- 14:15 **P6** Monorail Track Inspection with the Use of Drones, *São Paulo Metro, IPT – Instituto de Pesquisas Tecnológicas do Estado de São Paulo*
- 14:45 **P7** Integrating Asset Management Systems in Monorail Transportation: A Holistic Approach to Digital Operations & Maintenance and Condition Monitoring, *Remec*
- 15:15 **P8** Life-Cycle-Costing Models (LCC) combined with Building Information Modelling (BIM) – how the Monorail Industry can profit by a Holistic Implementation Approach, *Drees & Sommer*
- 15:45 Coffee Break, *in the foyer & In-house exhibition*
- 16:30 **P9** Intelligent Software Development and Test Verification of PC Guideway for Straddle Monorail Transportation, *Beijing Jiaotong University*
- 17:00 **P10** Alleviating Impacts of Climate Change: Cairo Monorail as a Mitigation Measure, *National Authority for Tunnels (NAT)*
- 17:30 **P11** IMA WG Passenger Evacuation, *International Monorail Association*
- 18:15 Closing of Day One

Location: *Gasthaus Meisterstück (Hotel Wittmann's, walking distance 5 min. from hotel)*

- 19:30 Networking Dinner, sponsored

# Schedule of Events

Subject to Change

## Conference Days

Sunday, September 22, 2024

Location: Conference Area, Hotel "Park Inn by Radisson Neumarkt"

08:00 In-house Exhibition & Networking

09:00 **P12** The Smart Gateway - Innovations in Automated Sliding Doors: Redefining Safety, Monitoring, and Digital Functionality, *artiga*

09:30 **P13** Monorail Tires – an Integral Part of Monorail Systems for Sustainable People Mobility, *Michelin*

10:00 **P14** New "old" Bogies for "Kaiserwagen" of the Monorail System in the City of Wuppertal, *LogoMotive*

10:30 Coffee Break, *in the foyer & In-house exhibition*

11:15 **P15** Fingerjoints for Monorails - Current Status and Opportunities, *TüV Süd & Maurer*

11:45 **P16** Bearing the Test – Bearings for Monorail Structures, *mageba*

12:15 **P17** Monorail in High Seismic Areas, *Hirun International*

12:45 Networking Lunch, sponsored *Restaurant Area, Park Inn Hotel*  
In-house exhibition

14:15 **P18** MONOCAB – Novel Monorail Vehicle for Rural Areas, *OWL Monocab*

14:45 **P19** A Major Automated People Mover Connection at the Largest South American Airport, *AEROM*

15:15 **P20** The Monorails as a Sustainable Solution to Improve Transport Accessibility and Relaunch the Development of High Congested Metropolitan Areas: the Naples' Eastern District Project in Southern Italy, *Cavuoto, University of Campania & University of Naples*

15:45 Coffee Break, *in the foyer & In-house exhibition*

16:30 **P21** IMA WG Planning Guide, *International Monorail Association*

17:00 **P22** Importance of the BIM and Digital Tools in a "Fast Track" Rail/Monorail Project for - Best Practices, *AECOM*

17:30 Closing of Day Two

Location: *Maybach Museum*

18:00 Leave hotel for Visit of Maybach Museum, *walking distance 15 min.*

18:15 Visit of Maybach Museum

Location: *Restaurant Oberer Ganskeller (walking distance 7 min. from Maybach Museum)*

19:30 Closing Dinner, sponsored

# Schedule of Events

Subject to Change

## Technical Visits Days

Monday, September 23, 2024

*Locations: Neumarkt, Berlin*

08:30 Leave Park Inn Hotel Neumarkt to Rail Station Neumarkt

09:12 Train transfer to Berlin (tbc.)  
Commuter train S1 - to Nuremberg  
change in Nuremberg main station  
High speed train ICE 1112 - to Berlin

12:57 Arrive in Berlin main station

Individual Leisure Time

Tuesday, September 24, 2024

*Locations: Berlin*

09:30 Meet at InnoTrans IMA booth (hall 4.2, stand 100)

10:00 Start of Guided Tour "InnoTrans"

12:00 End of Monorailex

### Addresses Locations

#### **W3 Lounge & Restaurant**

Ingolstädter Str. 16, 92318 Neumarkt in der Oberpfalz, Germany

Phone: +49 9181 6982489

#### **Gasthaus Meisterstück (Hotel Wittmann's)**

Bahnhofstraße 21, 92318 Neumarkt in der Oberpfalz, Germany

Phone: +49 9181 5330400

#### **Maybach Museum**

Holzgartenstraße 8, 92318 Neumarkt in der Oberpfalz, Germany

Phone: +49 9181 4877100

#### **Oberer Ganskeller**

Ringstraße 2, 92318 Neumarkt in der Oberpfalz, Germany

Phone: +49 9181 512035

# Attendee Fees

## Early Bird Rates

Register and pay until July 19, 2024



	<b>in person</b>
IMA member	1.250 €
Non-member	1.500 €
Fee includes	<ul style="list-style-type: none"><li>• Conference attendance (Sep. 20-22)</li><li>• Technical Visits (Max Bögl, InnoTrans incl. train transfer to Berlin)</li><li>• Friday Light Lunch, Welcome Reception</li><li>• Saturday/Sunday Lunches &amp; Dinners</li></ul>

## Standard Rates

Register and pay between July 20 and August 30, 2024

	<b>in person</b>
IMA member	1.400 €
Non-member	1.650 €
Fee includes	<ul style="list-style-type: none"><li>• Conference attendance (Sep. 20-22)</li><li>• Technical Visits (Max Bögl, InnoTrans incl. train transfer to Berlin)</li><li>• Friday Light Lunch, Welcome Reception</li><li>• Saturday/Sunday Lunches &amp; Dinners</li></ul>



# Sponsorship Opportunities

## PLATINUM SPONSORS

€ 7.000 for IMA members, € 8.000 for non-members

### DIGITAL VISIBILITY

- » Exhibition of logo on [www.monorailex2024.org](http://www.monorailex2024.org)
- » Logo and description in the sponsor link on the IMA website for one year
- » Regular exhibition of logo with a link to the sponsoring company's website in the newsletter and e-mail/social media marketing
- » Mailing of participants who accept data disclosure

### ON-SITE VISIBILITY

- » Free in-house exhibition booth
- » Logo on the event screens and brochure
- » Logo on the event credentials
- » Logo on stage pulpits
- » 30 seconds video at the opening of the event and on all stages (recognition block)
- » Recognition at one of the dinners
- » 4 free registrations

## GOLD SPONSORS

€ 5.000 for IMA members, € 6.000 for non-members

### DIGITAL VISIBILITY

- » Exhibition of logo on [www.monorailex2024.org](http://www.monorailex2024.org)
- » Logo and description in the sponsor link on the IMA website for one year
- » Regular exhibition of logo with a link to the sponsoring company's website in the newsletter and e-mail/social media marketing
- » Mailing of participants who accept data disclosure

### ON-SITE VISIBILITY

- » Free in-house exhibition booth
- » Logo on the event screens and brochure
- » Logo on the event credentials
- » Recognition at one of the lunches
- » 3 free registrations

## SILVER SPONSORS

€ 3.500 for IMA members, € 4.500 for non-members

### DIGITAL VISIBILITY

- » Exhibition of logo on [www.monorailex2024.org](http://www.monorailex2024.org)
- » Logo and description in the sponsor link on the IMA website for one year
- » Regular exhibition of logo with a link to the sponsoring company's website in the newsletter and e-mail/social media marketing
- » Mailing of participants who accept data disclosure

### ON-SITE VISIBILITY

- » Free in-house exhibition booth
- » Logo on the event screens and brochure
- » 2 free registrations

## BRONZE SPONSORS

€ 2.000 for IMA members, € 3.000 for non-members

### DIGITAL VISIBILITY

- » Exhibition of logo on [www.monorailex2024.org](http://www.monorailex2024.org)
- » Regular exhibition of logo with a link to the sponsoring company's website in the newsletter and e-mail/social media marketing
- » Mailing of participants who accept data disclosure

### ON-SITE VISIBILITY

- » Free in-house exhibition booth
- » Logo on the event screens and brochure
- » 1 free registrations

If you consider becoming a sponsor of Monorailex 2024, please email [info@monorailex.org](mailto:info@monorailex.org).



# Venue

## Conference Hotel

### Park Inn by Radisson Neumarkt

Nürnberger Strasse 4  
92318 Neumarkt

	room rates
Single room	99 € incl. breakfast
Double room	142 € incl. breakfast

Reservation Code	Monorailex24
Reservation	+49 9181 8989-540
	veranstaltung.neumarkt@provenhotels.com

## From Airport Nürnberg

### By public transport:

Take the U2 to Nuremberg Central Station, then switch to the RE train toward München Hbf. Get off at Bahnhof Neumarkt, then take bus 561 to Neumarkt Landratsamt right in front of the hotel or bus 563 to Neumarkt Neuer Markt just 160m from the hotel.

You can instead take the U2 to Nuremberg Central Station, then switch to the S3 and get off at Bahnhof Neumarkt. Walk 1.4km to the hotel.

### By car:

The hotel is 44.7km from the airport by car via A3.

## From Station Neumarkt

### On foot:

The hotel is just a 1.4-kilometer walk from Neumarkt's main train station.

### By bus:

Take bus 561 or 562 to Neumarkt Landratsamt, which drops you right in front of the hotel. You can instead take bus 563 to Neumarkt Neuer Markt, just 160m from the hotel.

# Registration Form Monorailex 2024

Surname, Name \_\_\_\_\_

Company \_\_\_\_\_

Position \_\_\_\_\_

Email address \_\_\_\_\_

Phone number \_\_\_\_\_

Invoice address \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

optional order number / your internal reference: \_\_\_\_\_

	in person
IMA Member (early bird <sup>1</sup> : 1.250 €, standard fee: 1.400 €)	<input type="checkbox"/>
Non-member (early bird <sup>1</sup> : 1.500 €, standard fee: 1.650 €)	<input type="checkbox"/>

Note: 1) early bird fees are only valid until July 19, 2024

I am registering as part of a sponsorship package (company name) \_\_\_\_\_

I will be accompanied by my spouse (surname, first name) \_\_\_\_\_  
*(please, fill in separate form for spouse program)*

I agree that my data may be disclosed to the sponsors of the event for their communication purposes.

Please make additional choices for our detailed planning.

### Friday, Sep. 20

Annual General Meeting (IMA members only)

Technical Visit - Max Bögl incl. TSB Facilities (all attendees)

Welcome Reception (all attendees)

Vegetarian

### Saturday, Sep. 21

Conference Day 1

Networking Dinner

Vegetarian

### Sunday, Sep. 22

Conference Day

Social Activity - Maybach Museum

Closing Dinner

Vegetarian

### Monday, Sep. 23

Travel with ICE train from Neumarkt to Berlin

### Tuesday, Sep. 24

Technical Visit – InnoTrans Guided Tour

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Refund Policy: We regret that we cannot provide refunds due to activities not selected or not attended. Cancellations of conference passes are subject to a € 50.00 processing fee. Refund requests must be submitted by email to [info@monorailex.org](mailto:info@monorailex.org) and are not accepted after August 30, 2024.



# Registration Form for Spouses

Surname, Name \_\_\_\_\_

Email address \_\_\_\_\_

Phone number \_\_\_\_\_

Invoice address \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

I am registering as spouse of (surname, name): \_\_\_\_\_

*Please make your choices for our detailed planning.*

## Spouse Registration (€ 400)

### Friday, Sep. 20

- Technical Visit Max Bögl
- Welcome Reception
- Vegetarian

### Saturday, Sep. 21

- Networking Dinner
- Vegetarian

### Sunday, Sep. 22

- Maybach Museum
- Closing Dinner
- Vegetarian

### Monday, Sep. 23

- Train transfer to Berlin

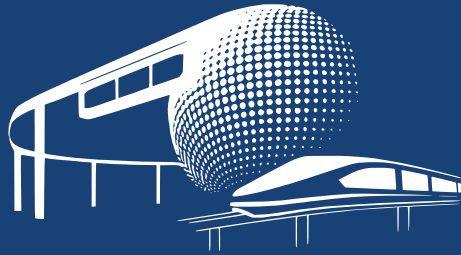
### Tuesday, Sep. 24

- Technical Visit InnoTrans

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# MONORAILEX 2024

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Neumarkt/Sengenthal, Germany

International Monorail Association

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3627 Heimberg  
Switzerland

[www.monorailex.org](http://www.monorailex.org)  
[www.monorailex2024.org](http://www.monorailex2024.org)