



# ETHERNET & IP AUTOMOTIVE TECHNOLOGY DAY

**3-4 NOVEMBER 2021** 

BMW GROUP RESEARCH AND INNOVATION CENTER FIZ 80807 MÜNCHEN, KNORRSTRAßE 147 GERMANY

Last updated 19 October 2021



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#### WELCOME

**Munich**, Bavaria's capital, is home to centuries-old buildings and numerous museums. The city is known for its annual Oktoberfest celebration and its beer halls, including the famed Hofbräuhaus, founded in 1589. In the Altstadt (Old Town), central Marienplatz square contains landmarks such as Neo-Gothic Neues Rathaus (town hall), with a popular glockenspiel show that chimes and reenacts stories from the 16th century.

Visitor Guide: <a href="https://www.muenchen.de/int/en.html">https://www.muenchen.de/int/en.html</a>





#### **WELCOME AND CONTACT**

## **EIP@ATD 2021 is hosted by BMW**



## Please contact Rosalinda Saravia or Rudi Schubert at

eipatd-requests@ieee.org







#### **EVENT REGISTRATION**

Please register your intention to participate

https://standards.ieee.org/events/automotive/index.html
#registration

Event registration does not include hotel reservation. Please refer to the hotel information on the following pages.

In person tickets are sold out!

Virtual Registration tickets are available.





## **EVENT VENUE: OUTSIDE VIEW**

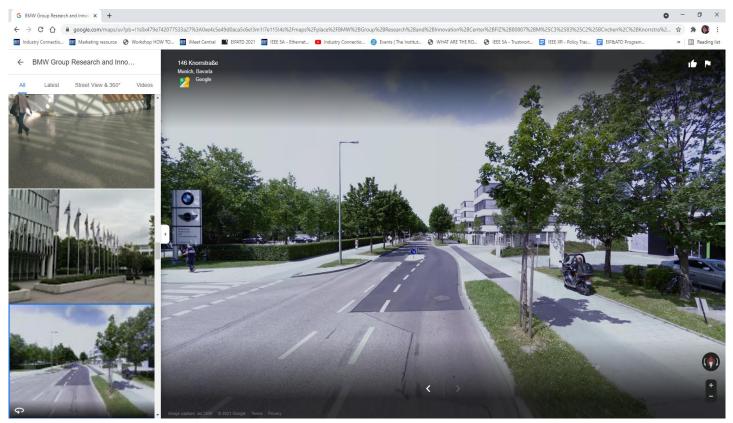
The EIP@ATD Technology Day will take place at the **BMW Group Research and Innovation Center FIZ** 80807 München, Knorrstraße 147 Germany





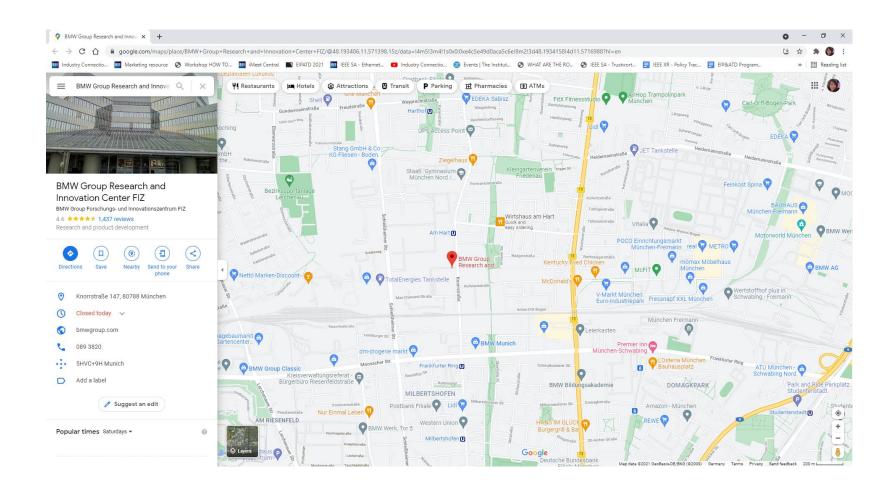
## **EVENT VENUE: OUTSIDE VIEW**

The EIP@ATD Technology Day will take place at the **BMW Group Research and Innovation Center FIZ** 80807 München, Knorrstraße 147 Germany





## **EVENT VENUE: STREET MAP**





### **EVENT VENUE: DIRECTIONS**

#### **By public transport:**

Coming from downtown, take subway line U2 from the main station (Hauptbahnhof) in the direction of Feldmoching and get off at the Am Hart station.

The BMW Research and Innovation Center (FIZ) is located around 3 minutes on foot from the station. Follow the signs for Forschungs- und Innovationszentrum (FIZ) ('Research and Innovation Center [FIZ]') up to the main entrance (courtyard with fountain, foyer with glass roof).

#### Please register at the reception desk at the FIZ main entrance.

Coming from BMW Welt, drive in the opposite direction of downtown on Lerchenauer Straße. At the first major intersection, turn right onto Moosacherstraße. Follow Frankfurter Ring for one kilometer and then turn onto Knorrstraße. Drive through the tunnel on Knorrstraße. Shortly afterwards, you will see the main entrance to the Research and Innovation Center (FIZ) (courtyard with fountain, foyer with glass roof) and the entrance to the FIZ garage ('BMW Allee') coming up on your left.

Coming from the A9 (airport), follow the signs for München/Stuttgart/Lindau. Take exit 75, München-Frankfurter Ring, and drive onto Frankfurter Ring. Remain on Frankfurter Ring for around 2.5 kilometers, then turn right onto Knorrstraße. After 700m, you will see the main entrance to the Research and Innovation Center (FIZ) (courtyard with fountain, foyer with glass roof) and the entrance to the FIZ garage ('BMW Allee') coming up on your right.

#### Registration and parking:

The garage opposite the FIZ main entrance (Knorrstraße 147, corner of BMW Allee) is open 24/7. A spot will have been reserved for you. Please park and then register at the reception desk at the FIZ main entrance.



## **EVENT VENUE: BMW COVID-19 PROTOCOLS**

Medical/surgical masks must be worn while in the BMW Group Munich premises.

Community or cloth face masks are not allowed. Only medical/surgical masks are allowed. Please bring enough surgical/medical masks to cover the days you will in the facility.

#### **ALLOWED FACEMASK**



#### **NOT ALLOWED CLOTH MASKS**



Distance of 1.5 meters must be observed

If you have symptoms of respiratory illness, please do not attend the conference and seek medical advice.

## **EVENT VENUE: BMW COVID-19 PROTOCOLS**

Every participant who does not work for BMW will need to be checked at the registration desk.

If you have a Vaccination Card, please bring it with you. A Digital Vaccination Record via CovPass-App/Docket App is accepted.

If you do not have a vaccination card, you might be requested to provide a negative COVID-19 test result or proof of recovery from COVID-19.













## **EVENT VENUE: DIRECTIONS**

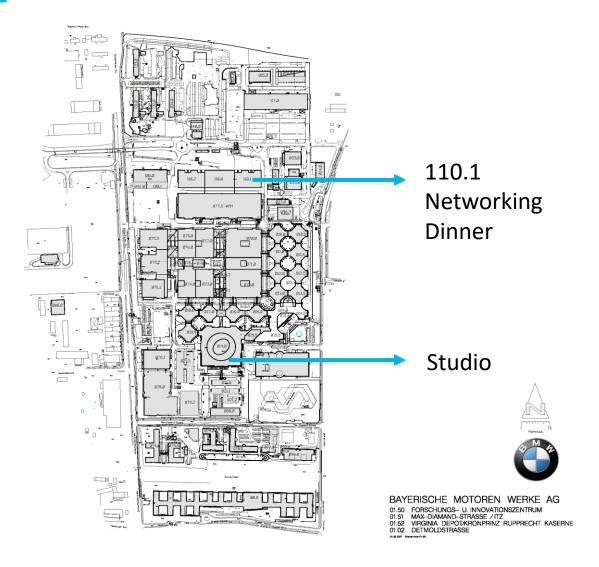
Please pick up your attendee badge on the 5<sup>th</sup> floor, outside the Projekthaus Studio.







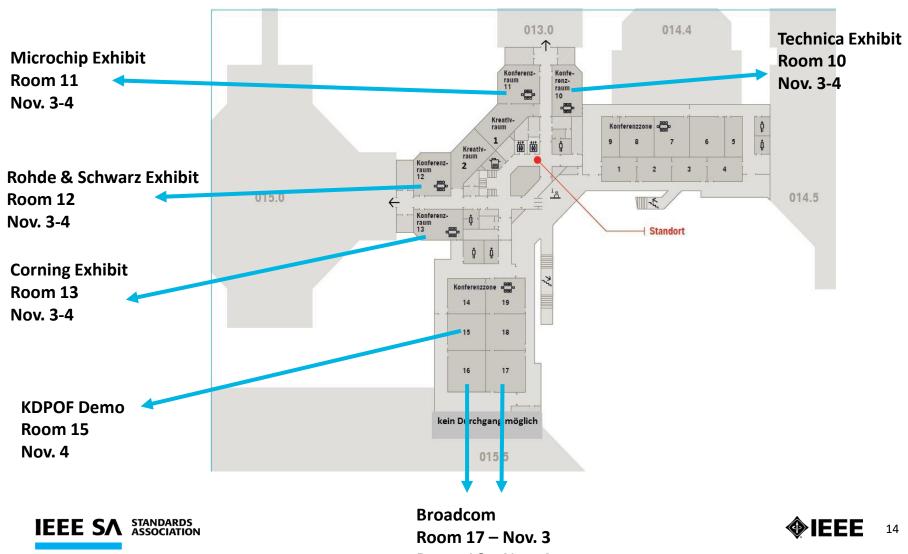
## **EVENT VENUE: BMW FIZ LAYOUT**





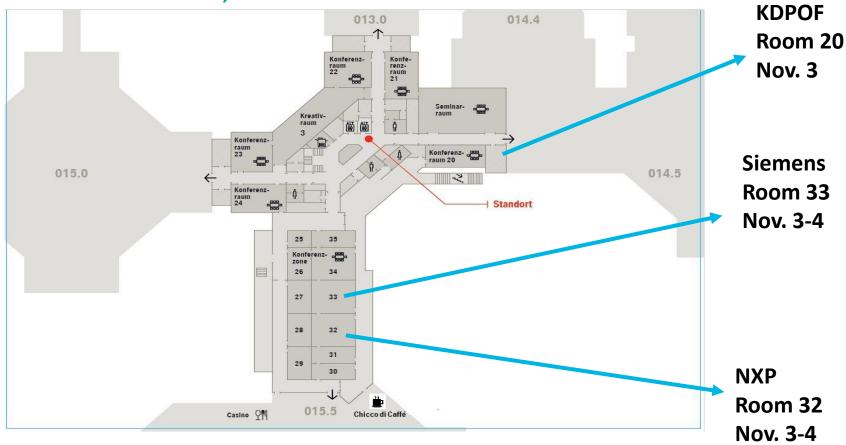
## **EVENT VENUE: BMW CONFERENCE ROOMS 1-19**

Please visit the rooms to see the exhibit/demos on the first floor.



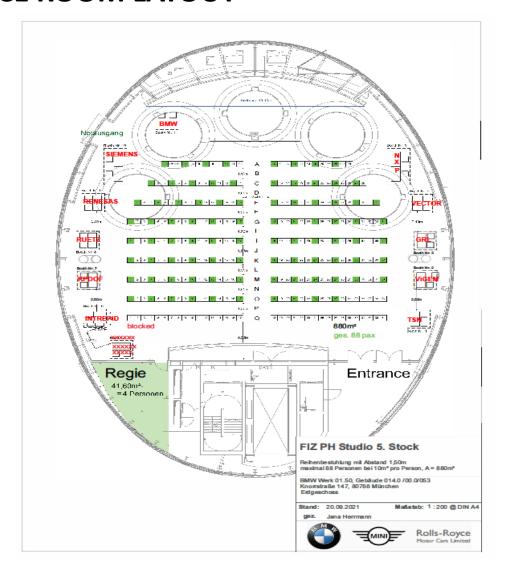
## **EVENT VENUE: BMW CONFERENCE ROOMS 20-35**

## Please visit rooms 20, 32 and 33 on the second floor





# **EVENT VENUE: FIZ PROJEKTHAUS STUDIO 5TH FLOOR CONFERENCE ROOM LAYOUT**





#### **EVENT VENUE: EXHIBITORS**

#### **Gold Exhibitors**

NXP – Booth # 5

Siemens –Booth #10

**Location of exhibits – Projekhaus Studio/Conference Room – 5th Floor** 

#### **Bronze Exhibitors**

BMW - Booth #11

Granite River Labs (GRL) – Booth #3

Intrepid Control Systems – Booth #6

KDPOF – Booth #7

Ruetz Systems – Booth #8

TSN Systems – Booth #1

ViGEM - Booth #2

Vector – Booth #4

Renesas – Booth #9

**Location of exhibits – Projekhaus Studio/Conference Room – 5<sup>th</sup> Floor** 



#### **EVENT VENUE: EXHIBITORS CONTINUED**

## **Visit Bronze Exhibitors**

(Location of Exhibits – First Floor)

Broadcom – Room 17, First Floor (Nov. 3, 2021)
Room 16, First Floor (Nov. 4, 2021)
Corning – Room 13, First Floor
Microchip Technology – Room 11, First Floor
Rohde & Schwarz – Room 12, First Floor
Technica Engineering – Room 10, First Floor



## **VISA FOR ENTRY IN GERMANY**

You may need a visa for entry in Germany. Please check that with your travel agency.

If you need a visa, the IEEE may be able to provide you with an invitation letter. Please contact Rosalinda Saravia <a href="mailto:eipatd-requests@ieee.org">eipatd-requests@ieee.org</a>





## ibis budget München City Olympiapark

Am Oberwiesenfeld 22 · 80809 München, Germany T +49 (0) 89 120212720 · F +49 (0) 89 120212725 H8726-RE@accor.com

Hotel Link: ibis budget München City Olympiapark

Distance to venue (care, public transportation): 2,7 km - 9 min. by car-taxi // 23 min

by bus No. 50 (7 min walk - 8 min Bus-8 min walk)// 30 min walk

Rate per night: Single room € 41.00

**Breakfast:** € 7,50 p.P.

Cancellation Policy: call-in allotment until the 02 October 2021

Check in: 14:00h Check out: 12:00h



#### **Leonardo Royal Hotel München**

Moosacher Straße 90 | D- 80809 München, Germany

Tel. +49 (0)89 - 620 397 79 Fax+49 (0)89 - 620 397 17

E-Mail: : reservations.muenchen@leonardo-hotels.com

General Hotel Contact: <u>info.royalmunich@leonardo-hotels.com</u>

Hotel Link: Leonardo Royal Hotel München Link

Distance to venue (care, public transportation): 2,3 km - 7 min. by car-cab/ 20 min by bus No. 50

(4 min walk - 8 min Bus-8 min walk) // 27 min by walk

Rate per night: single € 159,00 / double room € 182,00 incl. Breakfast and WiFi and Large Fitness

Area

Breakfast: included in the room fee

Cancellation Policy: Individually reserved rooms can be cancelled free of charge until 18:00h up to 3 days prior to arrival. After that, 90% of the agreed rate will be charged as a cancellation fee. In principle, a cancellation or reduction must be notified to the hotel in writing and is deemed to be accepted if the hotel has confirmed the cancellations or reductions in writing. In case of cancellation by the organizer, after the expiry of the call-off period, we charge the organizer a default fee of 90% of the room units called up. Accounting: Room bookings must be guaranteed by guests upon reservation by a valid credit card. All guests are self-payers for rooms and breakfast, as well as personal ancillary services on site. If one or more guests do not pay their invoices on site, the hotel reserves the right to charge the organizer for these costs. No Show: If you do not use the room reservation without prior written cancellation, 90% of the room rate will be charged.

Reservation Code: Techday2021

Check in: 15:00h Check out: 12:00h



#### **Leonardo Hotel Munich City Olympiapark**

Dachauer Str. 199, D-80637 München

Tel. +49 (0)89 - 620 397 79 Fax+49 (0)89 - 620 397 17

E-Mail: : reservations.muenchen@leonardo-hotels.com

General Hotel Contact: info.cityolympiapark@leonardo-hotels.com

Hotel Link: Leonardo Hotel Munich City Olympiapark

Distance to venue (care, public transportation): 5,7 km - 12 min. by car-cab/ 22 min by bus No. 53 + U Bahn U2 (4 min walk - 5 min Bus- 1 min walk - 6 min U2 - 2 min walk) // 1 Hour by walk through the Olympiapark

Rate per night: single € 114,00 / double room 124,00 incl. Breakfast / WiFi and Fitness Area

Breakfast: included in the room fee

Cancellation Policy: Individually reserved rooms can be cancelled free of charge until 18:00h up to 3 days prior to arrival. After that, 90% of the agreed rate will be charged as a cancellation fee. In principle, a cancellation or reduction must be notified to the hotel in writing and is deemed to be accepted if the hotel has confirmed the cancellations or reductions in writing. In case of cancellation by the organizer, after the expiry of the call-off period, we charge the organizer a default fee of 90% of the room units called up. Accounting: Room bookings must be guaranteed by guests upon reservation by a valid credit card. All guests are self-payers for rooms and breakfast, as well as personal ancillary services on site. If one or more guests do not pay their invoices on site, the hotel reserves the right to charge the organizer for these costs. No Show: If you do not use the room reservation without prior written cancellation, 90% of the room rate will be charged.

Reservation Code: Techday2021

Check in: 15:00h Check out: 12:00h



#### **Leonardo Hotel Munich City West**

Brudermühlstraße 33, 81371 Munich

Tel. +49 (0)89 - 620 397 79 Fax+49 (0)89 - 620 397 17

E-Mail: : reservations.muenchen@leonardo-hotels.com

General Hotel Contact: info.muenchenwest@leonardo-hotels.com

Hotel Link: Leonardo Hotel Munich City West

Distance to venue (care, public transportation): 10,3km - 30 min. by car-cab/ 24 min by

Underground U Bahn U2 + U3 (1 min walk - 6 min U3 - 13 min U2 - 2 min walk)

Rate per night: single € 119,00 /double room 129,00 incl. Breakfast / WiFi and Fitness Area

**Breakfast:** included in the room fee

Cancellation Policy: Individually reserved rooms can be cancelled free of charge until 18:00h up to 3 days prior to arrival. After that, 90% of the agreed rate will be charged as a cancellation fee. In principle, a cancellation or reduction must be notified to the hotel in writing and is deemed to be accepted if the hotel has confirmed the cancellations or reductions in writing. In case of cancellation by the organizer, after the expiry of the call-off period, we charge the organizer a default fee of 90% of the room units called up. Accounting: Room bookings must be guaranteed by guests upon reservation by a valid credit card. All guests are self-payers for rooms and breakfast, as well as personal ancillary services on site. If one or more guests do not pay their invoices on site, the hotel reserves the right to charge the organizer for these costs. No Show: If you do not use the room reservation without prior written cancellation, 90% of the room rate will be charged.

Reservation Code: Techday2021

Check in: 15:00h Check out: 12:00h



#### **Arthotel ANA im Olympiapark**

Helene- Meyer-Ring 12; 80809 München, Germany Tel. +49 (0)89 357 51 0

E-Mail: Olympiapark@ana-hotels.com

Hotel Link: Arthotel ANA im Olympiapark

Distance to venue (care, public transportation): 2,6 km - 7 min. by Car/Cab // 23

min. by bus No. 50 // 35 min by walk

Rate per night: \*double as single room € 145,00 incl. Breakfast and WiFi //without not

bookable

Breakfast: \*included in the room fee. See note above

Cancellation Policy: Book until 1 October 2021. Individually reserved rooms can be

cancelled free of charge up to the 15 October 2021

Reservation Code: 10. Ethernet& IP @ Automotive Techday 2021

Check in: Please check with hotel
Check out: Please check with hotel



#### **Bento Inn Munich Messe**

Stahlgruberring 45; -81829 München, Germany

Tel: +49 (89) 416 131 40

E-Mail: munich-messe@bento-inn.com

Hotel Link: Bento Inn Munich Messe

Distance to venue (care, public transportation): 16,1 km - 30 min. by Car/Cab // 41 min. by

Underground No. U2 (9 min walk - 30 min U2 - 2 min walk)

Rate per night: \*single room € 79,00 incl. Breakfast and WiFi //without not bookable

Breakfast: \*included in the room fee. See note above

Cancellation Policy: Book until 1 October 2021. Individually reserved rooms can be cancelled free

of charge up to the 15 October 2021

After that, 90% of the agreed rate will be charged as a cancellation fee. In principle, a cancellation or reduction must be notified to the hotel in writing and is deemed to be accepted if the hotel has confirmed the cancellations or reductions in writing. In case of cancellation by the organizer, after the expiry of the call-off period, we charge the organizer a default fee of 90% of the room units called up. Accounting: Room bookings must be guaranteed by guests upon reservation by a valid credit card. All guests are self-payers for rooms and breakfast, as well as personal ancillary services on site. If one or more guests do not pay their invoices on site, the hotel reserves the right to charge the organiser for these costs. No Show: If you do not use the room reservation without prior written cancellation, 90% of the room rate will be charged.

Reservation Code: 10. Ethernet& IP @ Automotive Techday 2021

Check in: 15:00h Check out: 11:00h



#### The Rilano Hotel & Riliano 24/7 Hotel München

Domagkstraße 26 | 80807 München, Germany General E-Mail Contact: info-muc@rilano.com

General Telephone: +49 89 36001 0 E-Mail reservation-munich@rilano.com

Telephone Reservation: +49 89 36001 850

Hotel Link: The Rilano Hotel & Riliano

**Distance to venue (care, public transportation):** 3,3 km - 8 min by car// cab - 25 min. by bus No.

177// 33 min by walk

Rate per night: Single Room € 89,00 // Comfort Room € 109,00 // Superior Single Room 139,00

includes WiFi - excluding Breakfast

**Breakfast:** € 9,50 per day

**Cancellation Policy:** Book until 15 September 2021. Individually reserved rooms can be cancelled free of charge up to the 8 October 2021

After that, 90% of the agreed rate will be charged as a cancellation fee. In principle, a cancellation or reduction must be notified to the hotel in writing and is deemed to be accepted if the hotel has confirmed the cancellations or reductions in writing. In case of cancellation by the organizer, after the expiry of the call-off period, we charge the organizer a default fee of 90% of the room units called up. Accounting: Room bookings must be guaranteed by guests upon reservation by a valid credit card. All guests are self-payers for rooms and breakfast, as well as personal ancillary services on site. If one or more guests do not pay their invoices on site, the hotel reserves the right to charge the organizer for these costs. No Show: If you do not use the room reservation without prior written cancellation, 90% of the room rate will be charged.

Reservation Code: Techday 2021

Check in: 15:00h Check out: 11:00h



#### TRANSPORTATION: FROM THE AIRPORT TO CITY CENTER

#### How to get to Munich from the airport

There are a number of different ways to get to the city centre from Munich Airport, depending on your budget and how much time you've got:

S-Bahn: Lines S1 (light blue) and S8 (orange) of the S-Bahn, or Urban Rapid Transit Train, connects both terminals of the airport with a number of stations in the city centre from 4 am through to 1 am. There are departures every 10 minutes and the journey to the main train station (Hauptbahnhof) takes 40 minutes. A one-way ticket costs € 11.90 (US\$ 13.75), but you can purchase a "stripe card" of which you use 7 stripes for 10,22€ or a one-day travelcard for € 13,20 (US\$ 15.10) if you have other trips planned. To reach most of the hotels and BMW, you can use the same ticket to change from the S1 into the underground either at Feldmoching or Moosach.

**Lufthansa Express Bus:** The Airport Bus takes passengers from both terminals of Munich Airport to the Hauptbahnhof (45 minutes), making a stop in the Schwabing district in the north of the city (25 minutes), which is where most of the hotels and BMW are located. You can order a taxi to the Munich north bus stop with the bus driver. From Munich to the airport, buses depart from 6:30 am to 10:30 pm; from the airport to the city centre, it's 5:15 am to 8 pm. Departures are every 15 minutes and tickets are 10.50 (US\$ 12.20) single and € 17 (US\$ 19.70) return.

**Transfer service:** The most comfortable, easiest and quickest option: reserve a private transfer service and a driver will be waiting for you at arrivals with a sign showing your name, and will take you directly to your hotel in around 40 minutes. Prices start from € 90 (US\$ 104.30) per vehicle, and you can pre-book here.

Taxi: A taxi from the airport to the city centre is usually around € 70 (US\$ 80.90) and the drive lasts about 40 minutes.

**Uber:** Ubers are also available, please download the app.





#### TRANSPORTATION: BY SUBWAY

Munich's public-transportation system, the <u>MVV</u>, has two rapid-transit networks:

- •The **U-Bahn** (**Untergrundbahn**), which is an underground or subway system for the city of Munich, with stations at or near such attractions as the Schwabing district, the major parks, the BMW Museum, the **Allianz Arena**, and the **Oktoberfest** grounds. Operate every 5 to 15 minutes.
- •The **S-Bahn** (Stadtschnellbahn), which serves both Munich and its suburbs. S-Bahn trains run between the city's two central railroad stations (the Hauptbahnhof and the Ostbahnhof), serve outlying places of interest such as the **Dachau Concentration Camp Memorial**, and provide frequent transportation between the city and **Munich International Airport**. Operates every 20-30 minutes.

The two systems are tightly integrated and use a common ticketing scheme. The most obvious difference between the two is the color of the trains: U-Bahn trains are blue and white; S-Bahn trains are red and white.



<<< The U-Bahn, Munich's Metro





#### TRANSPORTATION: BY SUBWAY CONTINUED

#### How to ride the U-Bahn and S-Bahn:

1. Buy a ticket. Prices range from €3.40 for a single ticket covering one zone, €2.92 for two stripes from the stripe card and from €7.90 for a one-day travelcard around the inner city area.

You can purchase tickets from a vending machine in any U-Bahn or S-Bahn station. Tickets come in four basic types:

Einzelfahrkarten, or single-journey point-to-point tickets are the most expensive. You can break your journey and use different modes of transportation (e.g., S-Bahn, U-Bahn, and tram or bus) if you wish. Within Munich, press "1" on the machine for a single zone; for longer trips, you'll need to choose a ticket for the appropriate number of zones. (See the explanatory text in the top left section of the machine.)

Streifenkarten, or stripe tickets, are cheaper than single-journey tickets. They can be used for multiple trips, or by several people at once. You validate one or more stripes per journey, depending on your destination and the number of travelers sharing the ticket. (Again, see the machine for instructions.)

Single-Tageskarten and Partner-Tageskarten, or single and partner day tickets, allow unlimited transportation from the time they're stamped until 6 a.m. the next day. You can buy them for individuals or for a group of up to five people.

Finally, the *CityTour Card* comes in one-day and three-day versions, for either the city proper or the entire Munich area. In addition to unlimited public transportation, it entitles you to discounts at many museums and other attractions.

#### 2. Validate your ticket or City Tour Card.

Use one of the blue time-stamping machines near the station entrance. (If you travel with an unstamped ticket or card, you'll be subject to a hefty fine.)



#### TRANSPORTATION: BY SUBWAY CONTINUED

#### How to ride the U-Bahn and S-Bahn Continued:

3. Take the stairs, escalator, or elevator to the train platform.

You won't need to insert your ticket in a turnstile; once you've validated your ticket, you're on the honor system (although you'll have to show your ticket to an inspector if asked).

#### 4. Check the electronic sign

Signs above the platform indicate train numbers, destinations, and where to stand on the platform for the train (look for the overhead sector signs labeled A, B, C, and D).



5. Board th train when it arrives

If necessary, press the button on the doors to open them, and let other passengers get off before you get on

6. Exit the train on the left or right, depending on where the stations platform is. In a few central locations, such as the Hauptbahnhof, there are two platforms: you leave via the right-hand doors, and new passengers board through the doors on the left.

## TRANSPORTATION: SUBWAY MAP



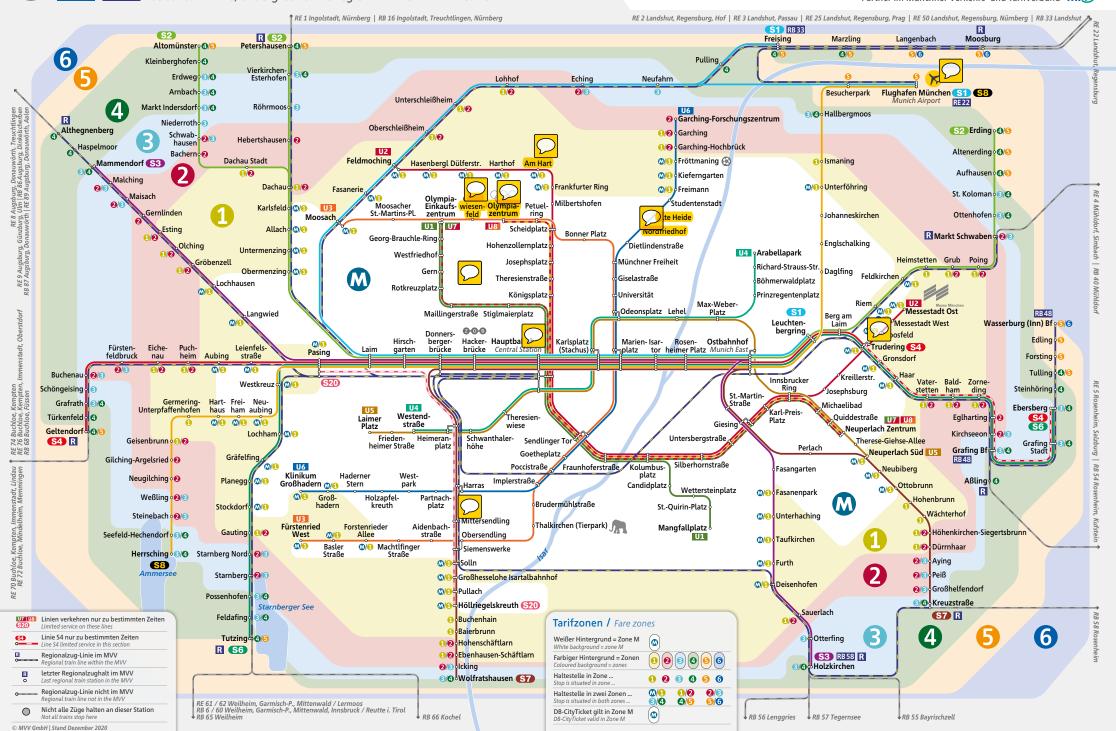
Please refer to the next page for the subway map. Note: The orange highlighted stations are close to BMW.

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## TRANSPORTATION: BY BUS/TRAM

#### Operating times -BUSES

Munich's bus network operates daily: most lines run from 5 am to 1 am with buses departing every 10 to 20 minutes. There are also night buses covering the main routes throughout the night.

#### Operating times - TRAMS

The 13 daytime lines operate daily from 4:45 am to 1:30 am, and the 4 nighttime routes run daily from 1:30 am to 4:30 am.

#### **Fees**

Tickets for Munich's public transport network are the same for every mode of transport. Prices range from €2.90 for a single ticket covering one zone, and from €6.70 for a one-day travelcard around the inner city area. Check out all the different options on our guide to <u>Ticket prices and</u> travelcards in Munich.



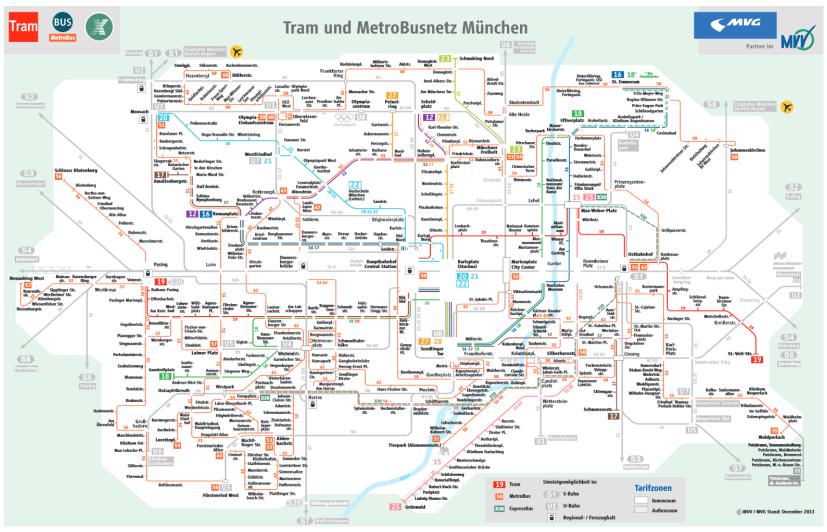
<<Munich Bus



Munich Tram



## TRANSPORTATION: MUNICH BUS/TRAM NETWORK MAP





### TRANPORTATION: BY TAXI

Munich's taxis are cream colored and have a TAXI sign on the roof. All of them use a taxi meter, and you can catch them either by flagging them down, waiting at a stop, or by calling them up in advance.

#### Taxi fares

- •Initial charge: € 3.70 (US\$ 4.30)
- •Price per kilometre up to 5 km: € 1.90 (US\$ 2.20)
- •Price per kilometre from 5 km to 10 km: € 1.70 (US\$ 2)
- •Price per kilometre after 10 km: € 1.60 (US\$ 1.90)
- •Price per hour of waiting: € 28 (US\$ 32.40)

The average taxi journey around Munich city centre usually costs between € 10 (US\$ 11.60) and € 12 (US\$ 13.90). A taxi from the airport to the city centre is usually around € 50 (US\$ 57.90) and the drive lasts about 40 minutes.

#### Taxi companies

If you need to pre-book a taxi in Munich, or can't find one in the streets, we've listed three of the biggest taxi companies below. Like many other cities, Munich also has a number of taxi apps available to use.

- •Taxi-München eG: +49 / (0)89/21 610.
- •Taxi Zentrale Freising: +49 (0)8161 36 66.
- •IsarFunk: +49 / (0)89/450540.





## **NETWORKING DINNER: NOVEMBER 3, 2021/BLDG. 110.1**

WHEN: NOVEMBER 3, 2021 DINNER START: 7:00PM

WHERE: BMW CAFETERIA BLDG. 110.1

ATTENDEES WILL RECEIVE AN EMAIL FOR MEAL SELECTION BEFORE THE EVENT.

#### **GROUP 1**

MEET OUTSIDE THE PROJEKTHAUS STUDIO (5<sup>TH</sup> FLOOR) AT 6:30 PM AND WALK TO CAFFTERIA

#### **GROUP 2**

MEET OUTSIDE THE PROJEKTHAUS STUDIO (5<sup>TH</sup> FLOOR) AT 6:45 PM AND WALK TO CAFETERIA







### **DEPARTURE: BEFORE LEAVING GERMANY**

## Please check your country's specific information for COVID rules on outbound flights after the conference

At Munich Airport, various testing options for the SARS-CoV-2 coronavirus are offered in **the public area and in Terminal 2**. They can be used by travelers as well as all other persons. Returning travelers still have access to a testing center in the non-public area in Terminal 2 (near the baggage carousels).

https://www.munich-airport.com/corona-tests-at-the-airport-9526455







# SEE YOU THERE WIR SEHEN UNS DORT!

