

Third announcement

XXIX Congress of the Italian Phytopathological Society

09 - 11 September 2024

Conference hall of the Sociology and Social Research Department – University of Trento,

Via Giuseppe Verdi 26 - 38122 Trento.

Dear colleagues,

The opening of the XXIX Conference of the Italian Society of Plant Pathology (SIPaV), organized by the [Center Agriculture Food Environment \(C3A\)](#) of the University of Trento is approaching. The topic of the Congress, "**The new challenges for Plant Pathology between sustainability of agri-food production and climate change**" caught the attention of many Italian, European, and non-European researchers. Indeed, we have received more than **280 registrations**. The program includes the talks of four internationally renowned *invited speakers* and four sessions hosting **50 oral presentations**. The Congress will also feature two poster sessions displaying **194 posters**. We hope that the discussions on these works will pave the way for new collaborations among the research groups. The strong presence of young researchers prompts us to hope that the Congress will be a valuable opportunity for their professional development. At the conclusion of the event, six young researchers will be honoured with the "**Best SIPaV 2024 Oral Presentation**" award, while another six will be honoured with the "**Best SIPaV 2024 Poster**" award.

We cannot wait to start the Conference with you!

The Organising Committee

<i>Scientific Committee</i>	<i>Organising Committee</i>
Gerardo Puopolo	Gerardo Puopolo
Ilaria Pertot	Ilaria Pertot
Paola Battilani	Marco Camardo Leggieri
Laura Mugnai	Laura Salvetti
Davide Giovanardi	Michele Perazzolli
Francesco Vinale	

Organization staff

Anna Aldrighetti, Greta Brussi, Sara Cremonesi, Stefano Galvagni, Amulya Jain Dinesh Kothari, Alessio Martini, Sofia Montanari, Anna Pedroncelli, Anna Smaldone, Bianca Vicelli.

Selection “Best Oral Presentations SIPaV 2024”

During the Congress, the Scientific Committee will award six prizes for the best oral presentations by young researchers. To select the winners, the Scientific Committee will evaluate:

- Scientific content of the presentation
- Respect for the time allotted for the presentation
- Ability to answer questions
- Expository ability of the speaker
- Graphic appearance of the presentation

Prizes will be offered by [CABI](#) and [Springer](#). More details are available on the [Congress website](#).

Selection “Best SIPaV Posters 2024”

During the conference, the Scientific Committee will award six awards for the best posters presented by young researchers. The criteria used in the selection of winners by the Scientific Committee will be based on:

- Quality of the scientific content of the work
- Logical organization of information, correctness and readability of the text
- Originality of the graphic layout of the poster and communicative quality of the figures

Prizes will be offered by [SIPaV](#) and [Microbiological Research](#). More details are available on the [Congress website](#).

Oral Presentations

The Congress will begin with the oral presentation of the winner of the **SIPaV award "Giovanni Scaramuzzi" 2023-2024**, who will have a maximum time of 30 minutes (plus 5 minutes for questions). The four sessions of the Congress will begin with flash talks of a **maximum duration of 3 minutes** given by the winners of the **"Young Researchers in Training"** award. These flash talks will be followed by presentations in which each speaker will have a maximum of **10 minutes (plus 2 minutes for questions)**. For the success of the Congress, **all speakers are invited to adhere strictly to the scheduled times.**

Poster

The posters shall be **80 cm × 110 cm (W × H, portrait orientation)** in size, and can be drawn up using the template available on the [Congress website](#). During the congress, there will be two poster sessions. Posters 1 to 96 will be displayed in the first session, and the remaining 96 posters will be displayed in the second session. The support panels will be located in the two external courtyards and the corridor in front of Kessler Hall. The support panels will be marked with a progressive number corresponding to that assigned to each poster, as in the list shown in the **"Book of abstracts", which can be downloaded to your devices via QR Code**. The organizational staff will provide the material for hanging the posters.

PROGRAM

Monday, 9th September

- 11:00-14:00 **Registration and poster setup**
- 11:00-17:00 **Open Coffee**
- 14:00-14:30 **XXIX SIPaV Congress opening**
Welcome address
Flavio Deflorian – Rector of the University of Trento;
Riccardo Rigon – Director of the Center Agriculture Food Environment (C3A);
Paola Battilani – President of the Italian Phytopathological Society (SIPaV)
- 14:30-16:00 **Italian Phytopathological Society: Look to the future**
Chairs: P. Battilani (SIPaV President) – L. Mugnai (SIPaV Vice-President)
SIPaV “Giovanni Scaramuzzi” 2023-2024 Award
Journal of Plant Pathology and SIPaV Awards: “Fresh Ideas in plant health: the latest research from young plant pathologists”
S. Sarrocco
Eupresco III: Strengthening phytosanitary research programming and collaboration: from European to global phytosanitary research coordination
L. Mugnai
- 16:00-16:30 *Invited talk*
Assessing past and future climate change from planetary to regional scales
Dino Zardi – Department of Civil, Environmental and Mechanical Engineering, University of Trento, Italy
- 16:30-17:00 **Poster session 1 - Display of posters from 1 to 96**
- 17:00-18:30 **First session – Molecular plant pathology**
Chairs: E. Baraldi – M. Reverberi
- 17:00-17:15 *Flash talks from “Young Researchers in Training”*
Optimization of dsRNA uptake in *Stemphylium vesicarium* for Spray-induced gene silencing (SIGS) application
M. Karas, F. Negrini, XQ. Chen, C. Minnelli, G. Mobbili, V. Sunico, A. Ricci, S. Sabbadini, B. Mezzetti, E. Baraldi
Importance of endo-xylanase encoding genes in *Fusarium graminearum* enzymatic activity and pathogenicity
A. Panichi, S. Tundo, S. Odorizzi, C. Castiglioni, R. Musetti, F. Favaron, L. Sella
Innovative strategies to produce dsRNAs as a sustainable grapevine protection strategy against *Botrytis cinerea*
A. Narduzzo, F. Favaretto, W. Chitarra, L. Nerva
Evaluation of Italian flora biodiversity as a source of metabolites to inhibit *Pseudomonas syringae* virulence
G. Lancia, G. Beggiato, V. Friz, S. Negri, D. Danzi, L. Avesani, F. Guzzo, E. Vandelle
Metabolomics insights for the evaluation of safety, quality, and origin of wheat and selection of bioactive endophytes
L. Lascalea, M. Beccaccioli, I. Montaina, F. Colais, C. Manetti, M. Reverberi

17:15-18:30 *Regular talks*

Exploring the genomic basis of host specificity in *Stemphylium vesicarium*

XQ. Chen, F. Negrini, M. Karas, E. G. Kabeto, M. Menghini, M. Collina, R. Baroncelli, E. Baraldi

Distinct roles of Histone Methyltransferases *Acdot1* and *AcrmtA* in growth regulation, secondary metabolism and stress response in *Aspergillus carbonarius*

A. Agnusdei, A. González-García, D. Gerin, S. Pollastro, F. Faretra, L. González-Candelas, A.R. Ballester

Diversification of alkaloid production in *Trichoderma arundinaceum* IBT 40837 acquired by horizontal gene transfer of secondary metabolite biosynthesis cluster

I. Vicente, A. Staropoli, R. Baroncelli, D. Lotito, L. Di Costanzo, S. Vitale, R. Hermosa, G. Vannacci, S. Sarrocco, E. Monte, F. Vinale

Beyond the tree: A phylogenomic approach to linking species boundaries with functional traits in *Fusarium*

A. Villani, A. Susca, A. Menicucci, A. Prodi, L. Faino, A. Moretti, R. Baroncelli

Structural characterization of *ViuB* a siderophore interacting protein of *Erwinia amylovora*

S. Bharti, I. Polsinelli, I. Bento, T. Schneider, S. Baric, S. Benini

Induced resistance as a sustainable tool to manage postharvest decay of fresh fruit and vegetables and reduce food loss and waste

G. Romanazzi, D. Prusky

18:30-20:30 **Welcome aperitif** at the Departmente of Sociology and Social Research, University of Trento, Via Giuseppe Verdi 26, Trento.

20:30-21:00 Walking tour in Trento (only in case of good weather and optional)

Tuesday, 10th September

09:00-11:30 **Second session – Epidemiology and plant disease diagnosis**

Chairs: E. Noris – M. Camardo Leggeri

9:00-9:30 *Invited talk*

Climate change impacts on crop pests and pathogens

Dan Bebber – Department of Biosciences, University of Exeter, United Kingdom

09:30-09:45 *Flash talks from “Young Researchers in Training”*

Botanic Garden of Catania, Dr Jekyll or Mr Hyde? Global warming matters

C. Bua, M. Riolo, S. Conti Taguali, R. Parlascino, G. Polizzi, G. Giusso del Galdo, A. Pane, F. Drizou, F. La Spada, S.O. Cacciola

Impact of climate change-related factors on the effectiveness of *Aspergillus flavus* biocontrol

M. Crosta, C. Cervini, A. Medina, P. Battilani

Biocontrol of fungal disease affecting hops: green and sustainable alternatives for the Italian cultivation

F. Modica, M. Cortiello, F. Bellameche, L. Prodi, E. Costi, C. Riccioni, F. De Marchis, A. Rubini, L. Brilli, E. Nunez Carmona, F. De Canio, E. Stefani, D. Giovanardi



Tolerance/resistance assessment to ToBRFV infection in different local Sicilian tomato ecotypes

G. Agrò, E. Yahyaoui, A. G. Caruso, C. M. La Marra, S. Davino, S. Bertacca, A. Ragona, S. Panno

Long-reads Nanopore amplicon-sequencing for fast and precise identification of multiple microorganisms

V. Crosara, G. Tatulli, V. Scala, M. Reverberi, N. Pucci, S. Loreti, L. Faino

09:45-10:30 *Regular talks*

Predicting the effects of climate change on the fitness and impact of native and alien *Heterobasidion* spp. in Europe

S. Cannà, G. Lione, M. Garbelotto, P. Gonthier

Botryosphaeriaceae and *Phytophthora* species contribute to *Fraxinus* decline in the Mediterranean area

A. Benigno, C. Bregant, C. Aglietti, E. Falciani, M. Marcolongo, L. Montecchio, B. Tolio, B.T. Linaldeddu, S. Moricca

New findings on the etiology and epidemiology of Phomopsis cane and leaf spot disease on grapevine

G. Fedele, J. Armengol, T. Caffi, L. Languasco, N. Latinovic, J. Latinovic, M. León, G. Marchi, L. Mugnai, V. Rossi

10:30-11:00 **Coffee break**

11:00-12:00 *Regular talks*

Predictive models as decision support systems for grape downy mildew, powdery mildew and ocratoxin A wine contamination in South Italy

F. Dalena, A. Agnusdei, R. Coronelli, R.M. De Miccolis Angelini, F. Spataro, D. Gerin, S. Pollastro, G. Perrone, K. Gialluisi, C. Dongiovanni, M. Carrieri, M. Di Carolo, E. Del Prete, V. Buono, M. Corsi, P. Battilani, M. Camardo Leggieri, F. Faretra

Quick and simple method for *Plenodomus tracheiphilus* detection by real-time Loop-mediated isothermal amplification (LAMP) assay in laboratory conditions

E. Yahyaoui, S. Panno, A.G. Caruso, G. Agrò, P. Caruso, G. Licciardello, S. Di Silvestro, S. Davino

Progress on cross-protection of citrus trees from Citrus tristeza virus VT strain isolates causing decline

G. Licciardello, G. Scuderi, M. Russo, M. Bazzano, M. Bar-Joseph, A.F. Catara

Effects of sustainable agronomic measures on potato tuber dry rot under climate change

A. Catalani, G. Chilosi, M. Jasarevic, C. Morales-Rodríguez, E. Radicetti, R. Mancinelli

Release of *Venturia inaequalis* ascospores induced by sprinkler irrigation on sunny days results in a lower risk of primary infections

D. Prodorutti, R. Bugiani, C. Rizzi, E. Coller, N. Vendrame, D. Zardi, A. Stensvand, V. Pillion, I. Pertot

12:00-14:00 **Poster session 1 - Display of posters from 1 to 96**

12:30-14:00 **Light lunch**



- 14:00-16:15 **Third session – Innovation in plant-microbe interactions**
Chairs: V. Catara – R. Marra
- 14:00-14:30 *Invited talk*
Cyclic lipopeptide producers in the *Pseudomonas asplenii* and *corrugata* subgroups: mutualists or pathogens?
Monica Höfte – Department of Plants and Crops, University of Ghent, Belgium
- 14:30-14:45 *Flash talks from “Young Researchers in Training”*
Exploring the role of rubellin D in *Ramularia collo-cygni* virulence during interaction with barley
E. Balducci, L. Roehrig, F. Tini, G. Beccari, M. Sulyok, N.D. Havis, P. Benincasa, L. Covarelli
Identification of QTLs associated with fire blight resistance in European pear genotypes
F. Pacini, L. Bergonzoni, L. Dondini, S. Tartarini, A. Bertaccini
Exploring TAL effectors diversity in common bacterial blight causative agents as a tool to identify targets for improving resistance in common bean
A. Gaiti, E. Avite, C. Pizzatti, M. Saracchi, D. Bulgari, P. Cortesi, C.M. Pozzi, A. Kunova, G.M. Balestra, M. Pasquali
Eucalyptus leaf aqueous extract: a biopesticide for bacterial spot disease in tomato plants
M. Pinto, C. Soares, T. Andreani, F. Fidalgo, F. Tavares
The use of microbial based inoculants for enhancing the salinity tolerance of tomato plants: preliminary results
A. Esposito, F. Vitali, M. Aragona, V. Scala, S. Mocali
- 14:45-16:15 *Regular talks*
Deciphering Kiwifruit Vine Decline Syndrome: insights into microbial communities, gene expression, and hormonal dynamics
A. Cardacino, L. Pereira-Dias, P.R. Oliveira-Pinto, C. Santos, G.M. Balestra
Role and impact of *Xylella fastidiosa* subsp. *pauca* on endophytic communities in resistant and susceptible olive cultivars
M. Vergine, F. Vita, M. De Pascali, L. De Bellis, A. Luvisi
Gene expression dynamics in *Monilinia fructicola* and *Prunus persica* during the battle for infection revealed by dual RNA-Seq analysis
R.M. De Miccolis Angelini, D. Di Cosmo, M. Crudele, P.R. Rotondo, M. Romito, S. Pollastro, L. Landi, F. Faretra
Foliar application of a *Streptomyces* sp. on tomato plants: an insight into the induction of defence-related genes through RNA-Seq analysis
F. Bellameche, S. Cassanelli, F. Caradonia, M. Cortiello, S. Perez, E. Stefani, D. Giovanardi
Role of the chitin-binding domain (CBD) of a grapevine class IV chitinase against *Botrytis cinerea*
A. Bolzonello, S. Tundo, N. Poussereau, S. Vincenzi, M. Marangon, I. Battisti, L. Sella, F. Favaron
Find a match: isolated versus molecular-detected oomycetes involved in the kiwifruit vine decline syndrome
C. Bernardini, S. Mosca, A. Malacrinò, P. Bianco, M. Zillet, M. Martini, L. Schena, P. Ermacora
Root exudates from stressed plants differentially regulate plant interactions with fungal pathogens and beneficial microorganisms
S. Vitale, M. Papaianni, M. Ranesi, I. Di Lelio, F. Pennacchio, S.L. Woo, M. Lorito, N. Lombardi

- 16:15-16:45 **Coffee break**
- 16:15-18:30 **Poster session 2 - Display of posters from 97 to 194**
- 17:00-18:30 **Generale Assembly of SIPaV member**
- 20:30 **Social dinner** at Grand Hotel Trento, Piazza Dante, 20, Trento

Wednesday, 11th September

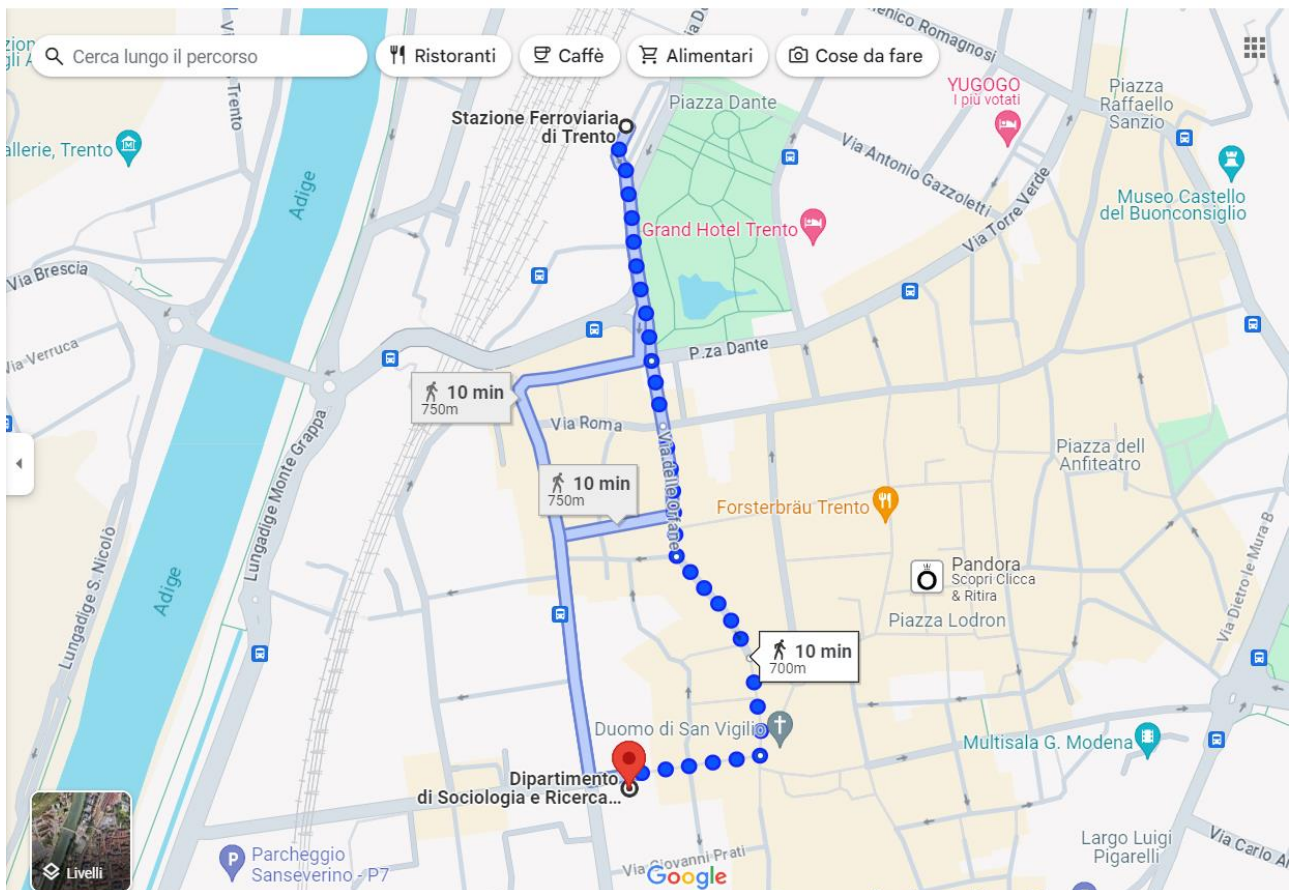
- 09:00-12:15 **Fourth session – Phytobiome and sustainable plant disease management**
Chairs: S. Sarrocco – M. Pasquali
- 09:00-09:30 *Invited talk*
The plant microbiome: from rhizosphere to seeds and applications to improve crop performance”
Angela Sessitsch – Austrian Institute of Technology (AIT), Austria
- 09:30-09:45 *Flash talks from “Young Researchers in Training”*
Evaluating the potential of extreme environments for the isolation of biocontrol agents
M. Lucci, G. Firrao, A. Di Francesco
***Aeromonas* sp.: a plant growth-promoting bacterium (PGPB) strain with biocontrol potential against *Phytophthora infestans* on tomato plants**
C. Antonelli, D. Nicolai, N. Benfradj, A.M. Vettrai
Assessment of the effectiveness of natural and biological means to control phytopathogenic *Fusarium* spp. on wheat
T. Conte, M.G. Morea, A. Libutti, A. Carlucci
Can the combined use of the beneficial isolates *Trichoderma gamsii* T6085 and *Clonostachys rosea* IK726 improve the control of *Fusarium graminearum* on wheat?
A. Petrucci, M. Cesarini, I. Vicente, L. Merani, B. Jensen, D.B. Collinge, S. Sarrocco
Selection and evaluation of antagonistic yeasts in the control of strawberry postharvest rots and effect on the fruit microbiome
G. Remolif, M. Garello, D. Spadaro
- 09:45-10:45 *Regular talks*
From seed to spike: exploring biological control strategies to mitigate mycotoxin contamination in durum wheat affected by *Fusarium* diseases
E. Cappelletti, D. Alberoni, M. Calì, G. Amaral Carneiro, F. Rabbi, D. Di Gioia, A. Prodi
From apple flowers to control fire blight: new potential biocontrol agents of *Erwinia amylovora*?
A. Pedroncelli, L. Franceschi, M.K.M. Marian, G. Puopolo
Unrevealing the potential of bacterial isolates obtained from grapevine rhizosphere
E. Soriato, C. Tezza, M. Casagrande, D. Danzi, R. Shmuleviz, G.B. Tornielli, F. Spinelli, M.C. Santos, E. Vandelle
Beneficial microbe application on tomato plants significantly improves the accumulation of metabolites with nutraceutical value
D. Lotito, M.I. Prigigallo, G. Iacomino, C. Gigliotti, G. Bubici, A. Staropoli, M. Lorito, F. Vinale

- 10:45-11:15 **Poster session 2 - Display of posters from 97 to 194**
- 10:45-11:15 **Coffee break**
- 11:15-12:15 *Regular talks*
- New potential challenges to manage fungal diseases by *Streptomyces* strains**
A. Carlucci, T. Conte, M.G. Morea, G. Ricciardi, F. Lops
- Trichoderma gamsii* ICC080 and *Trichoderma asperellum* ICC012 (active ingredients of the commercial Remedier®) to control Fusarium head blight (FHB) on wheat**
M. Cesarini, A. Petrucci, E. Hotaj, G. Venturini, R. Liguori, S. Sarrocco
- Effectiveness of a novel integrated solarization system to control soilborne pathogens of strawberry and effects on non-target microorganisms in Northern Italy**
F. Aloj, V. Battaglia, G. Dardani, M. Garelo, M. Cermola, P. Mormile, D. Spadaro, E. Lahoz, V. Guarnaccia
- Antifungal effect of stilbene deoxyrhapontigenin against rice blast pathogen**
S. Ghosh, C. Pinna, D. Dozio, C. Pizzatti, S. Princiotta, P. Cortesi, S. Dallavalle, A. Pinto, A. Kunova
- 12:15-12:45 **Awards for best oral and poster presentations**
Chairs: P. Battilani (SIPaV President) – G. Puopolo
- 12:45-13:00 **Closing of XXIX SIPaV Congress**
Chairs: P. Battilani – G. Puopolo

Below, some information that may be useful for organizing your stay in Trento.

CONGRESS VENUE

Conference room of the [Sociology and Social Research Department – University of Trento](#), **Via Giuseppe Verdi 26 - 38122 Trento**. The headquarters is located in the center of Trento, a few steps from the Cathedral of San Vigilio, and easily reachable from the train station.



The oral presentations will be held in the Conference Room (Room 2) with a maximum capacity of 224 seats. The Kessler Room (106 stations) will be connected via streaming to allow following the oral presentations and asking questions to the speakers. The posters will be displayed in the two external courtyards of the department and the corridor in front of the Kessler Room. The welcome aperitif, lunch, and coffee breaks will be held in the two external courtyards of the department. A luggage storage service will be available on Monday 9th, and Wednesday 11th. The organizational staff will be available to give you all the necessary information.

ACCOMODATIONS

The reservation must be made autonomously by the participants. Trento is a very touristic city and there are numerous options in hotels, B&Bs, farmhouses in the city and nearby, but September is a very busy month. In addition to international platforms such as [Airbnb](#), [Booking](#), [Trivago](#), etc., you can also find a wide choice on the website www.visittrentino.info

HOW TO GET TO TRENTO

By car

Trento can be reached via the **A22 Brennero-Modena motorway**, and there are two motorway exits: Trento Sud and Trento Nord, while the Trento Centro exit is open only for entry. You can find information on the traffic on [Viaggiare in Trentino](#)

N.B. The Trento city center is a ZTL-limited traffic zone accessible only to authorized vehicles. [Here](#) is the map.

Parking lots

All information is available on the municipality's **webpage** on [parking](#). Paid parking areas in the city center are visible on the myCicero App.

Indoor paid parking

[Garage Autosilo Buonconsiglio P 3](#)

[Garage Parcheggio Duomo P 5](#)

[Garage Piazza Fiera P 4](#)

Free outdoor parking

[Parcheggio Area Ex Zuffo P 9](#)

[Parcheggio Via Monte Baldo P 8](#)

[Parcheggio Ghiaie Via Fersina](#)

[Parcheggio Area ex Italcementi](#)

By train

The [Trento train station](#) is closed to the city center and the conference venue. Trento is served by long-distance and regional trains operated by [Trenitalia](#), [Italo](#) e [DB-ÖBB](#)

Attention!!! Those traveling by **high-speed trains** must pay attention when **getting on and off the train at Trento station**. The distance between the train step and the station platform is considerable. Anyone with mobility problems can inform the train manager to get support from the staff at the Trento railway station.

By plane

Trento can be reached by plane by stopping at:

- **Verona, “Valerio Catullo” Airport** - Connections are for example with Bari, Brindisi, Cagliari, Catania, Lamezia Terme, Naples, Palermo and Rome. The airport is connected to the Verona Porta Nuova railway station by [bus service](#). From the station, you can take high-speed or regional trains to reach Trento
- **Bolzano, “Dolomiti” Airport** - Hosts regional airline Air ALps flights. Connections are for example with Brindisi, Cagliari, Catania, Lamezia Terme, and Olbia. Bolzano train station can be reached using [SASA public buses](#). From the station, you can take high-speed or regional trains to reach Trento
- **Venezia, “Marco Polo” Airport** - It offers more than a thousand weekly connections with all the main Italian and European cities. The airport is located 163 km away from Trento, which can be reached by renting a car or using [scheduled buses](#)
- **Bergamo-Orio al Serio, “Caravaggio” Airport** - The main Italian airport for low-cost airlines. It is 180 km from Trento, which can be reached by renting a car or using [scheduled buses](#)