



15. ÖSTERREICHISCHE CHEMIETAGE

September 23 – 26, 2013

Graz University of Technology



2. Circular and Registration

**GESELLSCHAFT ÖSTERREICHISCHER
CHEMIKER**

15. ÖSTERREICHISCHE CHEMIETAGE

15th AUSTRIAN CHEMISTRY DAYS

**Joint Meeting of the Hungarian & Austrian Chemical
Societies**

Graz University of Technology

September 23 – 26, 2013

“Chemie für eine nachhaltige Zukunft”

“Chemistry for a Sustainable Future“



15. Österreichische Chemietage

15th Austrian Chemistry Days

(September 23 – 26, 2013)

Graz University of Technology

“Chemie für eine nachhaltige Zukunft”

“Chemistry for a Sustainable Future“

Chemistry provides the essence of a dominating number of developments decisive for our future. To establish innovations in terms of sustainability, an intrinsic knowledge of molecular phenomena is essential. This comprises e.g. synthetic methodologies, materials, medical care, and energy storage. Solving these challenges affords contributions from all fields of chemistry. The Austrian Chemistry Days provide a lively forum for the communication in all areas of chemistry and chemical technologies. The program presents plenary lectures given by internationally recognized scientists, oral and poster presentations and time for discussion. Young chemists are particularly welcome to participate.

In the past the Austrian Chemistry Days had been organized in cooperation with the chemical societies of Slovakia, Slovenia, and the Czech Republic. Members of these societies are particularly welcome to participate. In 2013 we are glad to share this meeting with the Hungarian Chemical Society. As in recent years, the language of the conference will be English.

For further details, please visit:

www.goech.at

www.chemietage.at

Scientific Program

Invited and Plenary Lectures

- | | |
|---|---|
| Prof. Dr. Hansjörg GRÜTZMACHER
Dept. of Chemistry and Applied Biosciences
ETH Zürich, Switzerland | Fun & Function with Organophosphorus Compounds |
| Prof. Dr. Péter HUSZTHY
Vice Head of Department
Dept. of Organic Chemistry & Technology,
Budapest University of Technology &
Economics, Hungary | Synthesis and enantiomeric recognition ability of
optically active crown ethers containing <i>N</i> -
heterocyclic subunits |
| Prof. Dr. Ferenc KILÁR
Head of Department
Dept. of Analytical & Environmental
Chemistry
University of Pécs, Hungary | Lipopolysaccharidomics - a challenge for analytical
chemistry |
| Prof. Dr. Barbara KIRCHNER
Mulliken Center for Theoretical Chemistry
Universität Bonn, Germany | Liquid, solvents and solvent effects. What can we
learn from theory? |
| Prof. Dr. Heinrich LANG
Dept. of Inorganic Chemistry
Chemnitz University of Technology, Germany | New Materials and Chemistry: Small Molecules -
Great Progress |
| Dr. Tobias MADL
Dept. of Chemistry
Technical University of Munich and Helmholtz
Zentrum München, Germany | Order to protein disorder! |
| Christian ROTH
Product Manager Inorganic Reagents
MERCK Millipore, Germany | More Safety and Convenience for daily lab work -
Sophisticated packaging for Inorganic Reagents |
| Prof. Dr. John Ernest WALKER
Dept. MRC Mitochondrial Biology Unit
University of Cambridge, United Kingdom | Elucidation of the Enzymatic Mechanism Underlying
the Synthesis of Adenosine Triphosphate (ATP) |

Mini Symposia:

Monday Sept. 23, 2013

- Biochemistry and Biotechnology; Chair: ao.Univ.Prof. Dr. Karl Stich
- Current Trends in Physical Chemistry; Chair: o.Univ.Prof. Dr. Wolfgang Kautek
- Materials and Molecules in Nuclear Magnetic Resonance; Chair: Dr. Lothar Brecker
- Medicinal & Bioorganic Chemistry; Chair: ao.Univ.Prof. Dr. Marko Mihovilovic
- Surface Chemistry and Catalysis; Chair: Univ.Prof. Dr. Günther Rupprechter
- ASAC General Assembly and Invited Lectures; Chair: o.Univ.Prof. Dr. Wolfgang Buchberger

Tuesday Sept. 24, 2013

- Workshop Berufseinstieg – Career Centre UNI – Graz; Chair: Dr. Hannes Schleifer
- Chemistry after University – Workshop Internat. Chemistry; Chair: Dr. Hannes Schleifer

Others to be announced

The conference will cover the following topics

Analytical Chemistry	Inorganic Chemistry
Biochemistry	Materials Chemistry
Biotechnology	Medicinal Chemistry
Chemical Education	Organic Chemistry
Chemical Engineering	Physical Chemistry
Electrochemistry	Polymer Chemistry
Engineering and Microwave Chemistry	Theoretical Chemistry
Environmental and Sustainable Chemistry	

Scientific Committee:

Head	
Georg Gescheidt-Demner	Graz University of Technology
Jürgen Fleig	Vienna University of Technology
Haio Harms	Lenzing AG
Herbert Ipser	University of Vienna
Günter Knör	Johannes Kepler University Linz
Bernhard Kräutler	University of Innsbruck
Peter Matyus	Semmelweis University, Budapest
Nadia Mösch-Zanetti	University of Graz
Thomas Rosenau	University of Natural Resources & Life Sciences, Vienna
Livia Simon-Sarkadi	Corvinus University of Budapest
Werner Sitte	Montanuniversität Leoben
Frank Uhlig	Graz University of Technology

Organizing Committee

Gabriela Ebner	GÖCH
Georg Gescheidt-Demner	Graz University of Technology
Marion Hofmeister	Graz University of Technology
Erich Leitner	GÖCH

Contact

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Prof. Dr. Livia SIMON-SARKADI
Corvinus University of Budapest
Department of Food Chemistry and Nutrition
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Somlói út 14-16., Hungary
Phone: +36 1 482 6204, Fax: +36 1 482 6015
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Email 2: sarkadi@mail.bme.hu

Deadlines

Submission of abstracts: May 31, 2013
Notification of acceptance: July 1, 2013
Participation early bird: July 8, 2013
Regular fee: after July 8, 2013

Venue:

Graz University of Technology
Stremayrgasse 9
8010 Graz
Austria
Web: www.tugraz.at

Call for abstracts

In addition to the plenary lectures oral and poster presentations will take place. Abstracts should be sent **exclusively online** to the congress web site. The final draft of the abstract should not exceed one page. Accepted abstracts will be published in the proceedings book. **Deadline** for abstract submission is **May 31, 2013**. The author's guidelines can be found at www.chemietage.at

The scientific committee reserves the right to decide if the abstract will be presented as a lecture or a poster.

Oral and poster presentations

There is a time limit for oral presentations of 15 minutes and 5 minutes for discussion. Oral presentations will be held in parallel sessions.

Beamer projection is provided. PowerPoint files on a CD or USB stick are accepted.

Poster size is A1 (width 595mm x height 841mm) up to a maximum A0 format (width 841mm x height 1189mm). Posters should be designed in portrait orientation. They have to be presented from Monday afternoon to Wednesday afternoon.

Conference language: English

Registration: Online at www.chemietage.at

Social Program

September 23, 2013: 19.15: Welcome Party, Graz University of Technology, Stremayrgasse 9 8010 Graz (free of charge for congress participants)

September 24, 2013: 19.30: Conference Dinner, in the assembly hall of the "Old University of Graz", Hofgasse 14, 8010 Graz, (free of charge for congress participants)

September 25, 2013: 19.00: Convivial Evening, (food & beverages not covered)

September 26, 2013: 9.00 – 17.00: Excursions

Further Information

Exhibition:

Companies participating as industrial exhibitors will obtain specific information. For their presentation of products standard packages will be offered and specific needs will be met on request. For further information contact Mrs Gabriela Ebner, Phone: 0043 1 587 42 49, Email: gabriela.ebner@goech.at

Travel grants

Travel grants are available for students who are GÖCH members. Forms can be downloaded from the conference web site www.chemietage.at

Accommodation

To book a hotel, use the link "accommodation" on the congress website – www.chemietage.at . Reservations can be made online, by fax or by email. If you have any question concerning your hotel reservation, don't hesitate to contact Mrs **Almut Fuchs-Fehringer**, Phone: 0043 43 316 8075-42, Fax 0043 316 8075-55, email: af@graztourismus.at

Childcare Service 2013

TU Graz provides childcare. A limited number of places (60) is available. The attendance is possible for children in an age-group from 1 – 5 years.

	till June 30	after June 30
Full day (8.00–18.00 incl. lunch) – for GÖCH members (age up to 30 years) - <input type="checkbox"/> 23.09 <input type="checkbox"/> 24.09 <input type="checkbox"/> 25.09. <input type="checkbox"/> 26.09	Free	35,-- per day
Full day (8.00– 8.00 incl. lunch) – for GÖCH members (age above 30 years) – <input type="checkbox"/> 23.09 <input type="checkbox"/> 24.09 <input type="checkbox"/> 25.09. <input type="checkbox"/> 26.09	35,--	35,-- per day
Half day (<input type="checkbox"/> 8.00 – 13.00 or <input type="checkbox"/> 13 – 18.00 without lunch) For GÖCH members (age up to 30 years) <input type="checkbox"/> 23.09 <input type="checkbox"/> 24.09 <input type="checkbox"/> 25.09. <input type="checkbox"/> 26.09	Free	20,-- per half-day
Half day (<input type="checkbox"/> 8.00 – 13.00 or <input type="checkbox"/> 13 – 18.00 without lunch) For GÖCH members (age above 30 years) <input type="checkbox"/> 23.09 <input type="checkbox"/> 24.09 <input type="checkbox"/> 25.09. <input type="checkbox"/> 26.09	20,--	20,-- per half-day
Full day (8.00 – 18.00 incl. lunch) For non-members <input type="checkbox"/> 23.09 <input type="checkbox"/> 24.09 <input type="checkbox"/> 25.09. <input type="checkbox"/> 26.09	40,00	60,-- per day
Half day (<input type="checkbox"/> 8.00 – 13.00 or <input type="checkbox"/> 13 – 18.00 without lunch) For non-members <input type="checkbox"/> 23.09 <input type="checkbox"/> 24.09 <input type="checkbox"/> 25.09. <input type="checkbox"/> 26.09	30,00	45,-- per half-day

For booking contact Mrs Gabriela Ebner – gabriela.ebner@goech.at

Excursions

Excursion A / full day / 9.00 – 17.00

Anton Paar and Graz City Trip

The Styrian Company Anton Paar was founded in 1922 as a one-man locksmith's workshop by Mr Anton Paar. Over the past 90 years it has developed into an international high-tech undertaking (active in 110 countries) with 17 subsidiaries, almost 1.600 employees, a worldwide distribution network and an export rate of nearly 96%.

The company's fields of business include density and concentration measurement (both lab and process), rheometry, viscometry, refractometry, polarimetry, material characterization, high-precision mechanics and further chemical and analytical techniques. Since 2003 the company has been owned by the charitable Santner Foundation, which supports scientific work and research of public utility in the field of natural science and technology, the prevention of addictions and the rehabilitation of addicts. Discover our product portfolio and the Anton Paar spirit, visit the production and the laboratories, and get the chance to talk to our team members and scientists. We are looking forward to your visit!

Departure: 09.00; Arrival: 16.30 – 17.00; Price: 29, -- Euro

Further information on the excursion and **Graz City Trip** at www.chemietage.at

Excursion B / full day / 9.00 – 17.00

Sappi – Gratkorn Mill and Graz City Trip

Paper has been produced at Gratkorn (Austria) for more than four centuries. Sappi totally revolutionised the mill with the building of the largest and most advanced coated fine paper production line in the world. Gratkorn has an annual capacity of 950,000 tons of triple-coated fine paper on just two paper machines and 255,000 tons of totally chlorine free (TCF) chemical pulp. After extension of Gratkorn's sheeting plant it now has an annual sheet finishing capacity of 800,000 tons.

At Gratkorn Mill making quality paper is a way of life.

Gratkorn Mill has an integrated pulp plant, using locally harvested wood from sustainable forest (70% sawmill waste, 30% thinnings) and employing peroxide bleaching technology. Coating materials too are prepared on site.

Using advanced technology, every step in the manufacturing has been designed to provide the highest levels of paper formation, dimensional stability, even-sidedness, smoothness and surface appearance.

For this excursion you need compact shoes!

Departure: 09.00; Arrival: 16.30 – 17.00; Price: 29, -- Euro

Further information on the excursion and **Graz City Trip** at www.chemietage.at

Excursion C / full day / 9.00 – 17.00

Magna and New Gallery Graz

About Magna Steyr

Magna Steyr is the leading global, brand-independent engineering and manufacturing partner to automakers. The company offers OEMs solutions for a wide range of services with highly flexible development and assembly strategies. From individual systems like door modules or roof systems to complete vehicles, and from extra-low volume through peak shaving to volume production.

Vehicle Engineering & Contract Manufacturing

Over 100 years of experience in vehicle production and a broad range of services make Magna Steyr the worldwide leading brand-independent engineering and manufacturing partner for OEMs.

Our extensive range of services covers four product groups:

- Engineering Services: From systems and modules to complete vehicle engineering
- Vehicle Contract Manufacturing: Flexible solutions from niche to volume production
- Fuel & Battery Systems: Innovative fuel & battery systems
- Roof Systems: Entire range of roof systems

As an innovative company, we are always searching for new and improved solutions for our partners and strive for top quality at competitive prices. This means every customer gets what they expect from us: a service package from Magna Steyr that is perfectly tailored to meet their needs. Globally.

For this excursion you need compact shoes, trousers and long-armed shirt!

Departure: 09.00; Arrival: 16.30 – 17.00; Price: 29, -- Euro

Further information on the excursion and **New Gallery Graz** at www.chemietage.at

PRELIMINARY PROGRAM

Monday, September 23, 2013	Tuesday, September 24, 2013
08.00: Exhibition preparation, "Hang up" posters	09.00: Conference Opening 09.15 – 10.00: Plenary Lecture – Prof. Dr. Heinrich LANG 10.00 – 10.45 Plenary Lecture – Prof. Dr. Hansjörg GRÜTZMACHER
11.00: Conference office opening	
12.00 – 15.00: Minisymposium: Materials and Molecules in Nuclear Magnetic Resonance	
12.00 – 15.00: Minisymposium: Medicinal & Bioorganic Chemistry	
12.00 – 15.00: Minisymposium: Surface Chemistry and Catalysis	
12.00 – 15.00: Minisymposium: Current Trends in Physical Chemistry	
12.00 – 15.00 Short Lectures	
14.00 – 17.00: ASAC General Assembly and invited lectures	
15.00 – 15.30: Coffee break, Posters & Exhibition visit	10.45 – 11.15: Coffee break, Posters & Exhibition visit
15.30 – 16.30: Minisymposium: Materials and Molecules in Nuclear Magnetic Resonance 15.30 – 17.00: Minisymposium: Medicinal & Bioorganic Chemistry 15.30 – 17.00: Minisymposium: Surface Chemistry and Catalysis 15.30 – 17.00: Minisymposium: Current Trends in Physical Chemistry 15.30 – 17.00 Minisymposium: Biochemistry and Biotechnology 17.00 – 18.00: GÖCH General Assembly 2013 18.00 – 18.45: Opening Lecture - Univ.Prof. Dr. Barbara KIRCHNER	11.15 – 12.15: Workshop Berufseinstieg – Career Centre UNI -Graz
	11.15 – 12.15: Short Lectures
	12.15 – 13.00: Lunch
	13.00 – 15.30: Chemistry after University - Workshop Internat. Chemistry
	13.00 – 15.30: Short Lectures
	15.30 – 16.30: Coffee break, Postersession & Exhibition visit
	16.30 – 17.30: Plenary Lecture – Prof. Dr. John Ernest Walker
	17.30 – 19.00: Chemistry Awards, Anton Paar Science Award & Postdoctoral Lecture Qualification Award 2013
19.15: Get together – Welcome Party	19.30: Social evening in the assembly hall at the "Old University of Graz"

PRELIMINARY PROGRAM

Wednesday, September 25, 2013	Thursday, September 26, 2013
09.15 – 10.00: Plenary Lecture – Prof. Dr. Ferenc KILÁR	<p>Excursion A / full day Anton Paar and Graz City Trip Departure: 09.00 Arrival: 16.30 – 17.00</p> <p>Excursion B / full day Sappi – Gratkorn Mill and Graz City Trip Departure: 09.00 Arrival: 16.30 – 17.00</p> <p>Excursion C / full day Magna and New Gallery Graz Departure: 09.00 Arrival: 16.30 – 17.00</p>
10.00 - 11.00: Coffee break, Postersession & Exhibition visit	
11.00 – 12.00: Short Lectures	
12.00 – 13.00: Lunch	
13.00 – 15.15: Invited Lectures: 13.00 – 13.45: Dr. Tobias Madl 13.45 – 14.30: Christian Roth 14.30 – 15.15: Laureate of the Postdoctoral Lecture Qualification Award 2013 14.15 – 15.15: Short Lectures	
15.15 – 15.45: Coffee break, Posters, Exhibition visit	
15.45 – 16.00: Poster Awards	
16.00 – 16.45: Plenary Lecture – Prof. Dr. Péter HUSZTHY	
16.45 – 17.00: Greetings – Leave taking	
19.00: Convivial Evening	



**Registration Form for Participation
(Early bird July 8, 2013)**

Name: Title:

Address – company:

Postal code: Venue:

Address – private:

Postal code: Venue:

GÖCH Membership number.....

MKE, ČCHS, SCHS, SKD Membership number..... VCÖ Membership number.....

E-Mail:

Phone: Cell phone:

Submission of oral and poster presentations (deadline: May 31, 2013)

Registration	Early bird	Regular fee	Payment
<input type="checkbox"/> Full Members of GÖCH, MKE, ČCHS, SCHS, SKD and VCÖ	99,00	145,00	
<input type="checkbox"/> Non Members	174,00	218,00	
<input type="checkbox"/> Student members of GÖCH, MKE, ČCHS, SCHS, SKD	Free	45,00	
<input type="checkbox"/> Students	43,00	65,00	
<input type="checkbox"/> One day ticket - Full Members of GÖCH, MKE, ČCHS, SCHS, SKD and VCÖ	65,00	85,00	
<input type="checkbox"/> One day ticket – Non Members	85,00	99,00	
<input type="checkbox"/> One day ticket – Students	50,00	60,00	
<input type="checkbox"/> Book of abstracts	29,00	29,00	
<input type="checkbox"/> Satellite Symposium Sept. 27, 2013: GÖCH student members	100,00	100,00	
<input type="checkbox"/> Satellite Symposium Sept. 27, 2013: non members	200,00	200,00	

Social program			
<input type="checkbox"/> Welcome Party – Participant	Free	Free	
<input type="checkbox"/> Welcome Party – Accompanying person	40,00	40,00	
<input type="checkbox"/> Social Evening – Participant	Free	Free	
<input type="checkbox"/> Social Evening – Accompanying person	45,00	45,00	

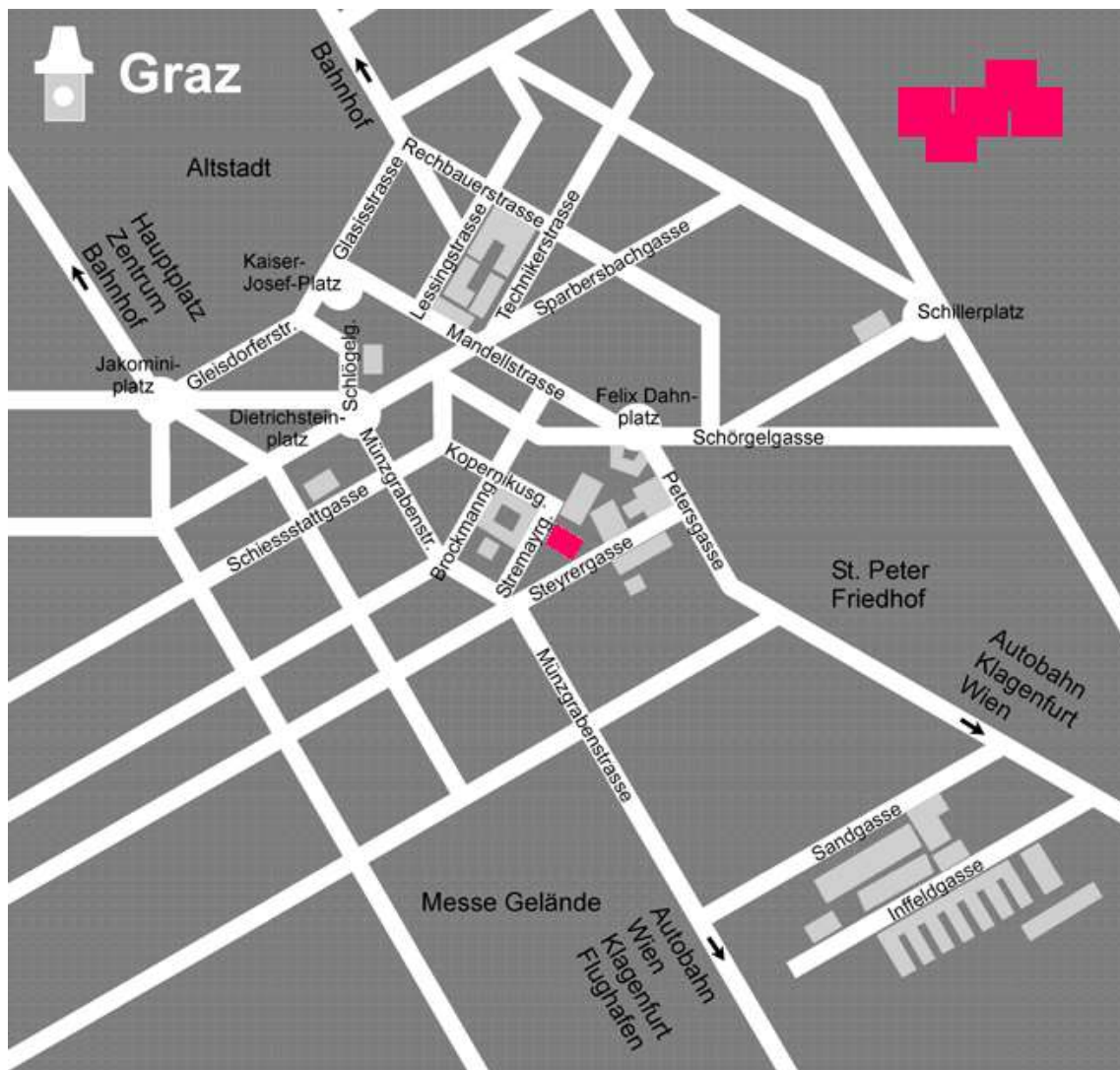
Excursions September 26, 2013	Number of participants		
<input type="checkbox"/> Excursion A: Euro 29,00 / person		29,00	
<input type="checkbox"/> Excursion B: Euro 29,00 / person		29,00	
<input type="checkbox"/> Excursion C: Euro 29,00 / person		29,00	
<input type="checkbox"/> Shared evening on September 25, 2013 Food & beverages not covered, service charge for transport		10,00	
		Total amount	

Upon receipt of payment you will receive the invoice and your voucher. Payable to **Bank Austria, account number: 0043 19265 15, bank code: 12000, IBAN: AT06 1200 0004 3192 6515, BIC: BKAUATWW**

Date..... Signature.....

Send to: Gesellschaft Österreichischer Chemiker, Mrs. Gabriela EBNER, Nibelungengasse 11/6, 1010 Vienna, AUSTRIA, Fax: 00 43 1 587 89 66, Phone: 0043 1 587 42 49, Email: office@goech.at

Map & Directions to Graz University of Technology



From highway A2

Leave the highway A2 at the exit Graz-Ost and follow the road for about 4 km. Turn right into "Münzgrabenstraße"; after about 2 km turn right into "Brockmannngasse". Take the next street right (on your right hand you can see "Neue Technik", Kopernikusgasse 24) then take a right turn again; the Chemistry building is at your right-hand side. Note that only a very limited number of parking slots is available close to the Chemistry building. Therefore, we recommend using public transportation in Graz.

From highway A9

Leave the highway A9 in the direction of Vienna (A2). Leave the highway A2 at the exit Graz-Ost and then follow the same description as given above.

From Graz Central Station to TU Graz

Go by the tramway 6 from Central Station in the direction of "St. Peter Schulzentrum". Leave the tramway at the stop "Neue Technik". The Chemistry building is just opposite to the stop.

Link: www.gvb.at

From Graz Airport to TU Graz

From the railway station "Flughafen Graz - Feldkirchen" (about 5 minutes walking distance from the airport terminal). Take a train to "Graz – Hauptbahnhof". Take tramway 6 from the Central Station in the direction to "St. Peter Schulzentrum". Get off at the stop "Neue Technik". The Chemistry building is just opposite to the stop.

Link: www.flughafen-graz.at

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CHEMIEREPORT^{at}

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