



# FUTURE IN PLASMA SCIENCE

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JULY 12 - 15, 2015

GREIFSWALD, GERMANY

# A very warm welcome to you in the lead up to the Future in Plasma Science event taking place at the INP Greifswald from 12 - 15 July 2015.

Below is important information you will need prior to the event, so please take a few minutes to read it. The document contains information on the following:

- Registration and Organisational information
- Programme and Scientific sessions
- Venues and Contact persons
- Travel and Accommodation

You can view the final information prior to the event by clicking on the following link  
<http://www.inp-plasmashape.eu/news.html>

We look forward to seeing you at the Future in Plasma Science.

## REGISTRATION AND ORGANISATIONAL INFORMATION

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### Registration

The registration desk will be located in the Foyer, on the ground floor of the INP Greifswald. On registration at the INP, you will receive your name badge and a USB stick giving you further information on the event and on the reimbursement procedure. Registration will open at 6.30 pm on Sunday 12th July and at 7:30 am on Monday 13th July if you wish to register and collect your badge in advance. Please note name badges must be worn at all times to gain access to sessions and social events

### Cloakroom

The cloakroom will be open throughout the event at the foyer of the Staffel. There is no cover charge to use the cloakroom.

### Mobile phones

Please switch your phones and/or PDAs to silent during all conference sessions.

### Refreshments and lunch

Refreshments will be available in the foyer of Staffel for all participants during the official morning and afternoon coffee breaks. Lunch will be provided on all three days. On Monday the lunch will be served in the marquee in front of the INP. On Tuesday it will be organised in a combined poster session. The lunch on Wednesday will also offer take-away for the guests needed to leave in time.

If you have special dietary requirements, e.g. vegetarian, kosher or gluten free, please ensure that you have informed the announced organisational committee of your requirements. We cannot guarantee that your needs will be catered for if we are not informed in advance.

# PROGRAMME

## ScientiEc sessions

The scientiEc sessions will be held mainly in the room Staffel at the 4th floor of the INP. During the scientiEc sessions we will discuss 3 topics in parallel groups. To give all attendees the chance to switch between the topics, we will have two scientiEc sessions on two consecutive days (in sum 4 scientiEc sessions). After the Keynote lecture on July 13th, there will be interactive lectures. Later on the discussion will be then open for the audience. All speakers are requested to bring their presentation on a USB stick. The chair of the session will summarize the results of the sessions together with the CoChair, the Secretary and the Support to continue in the follow-up session and in the summary for the consensus paper.

### ScientiEc session July 13th

Fundamentals keynote lectures on  
Modelling: Ralf Brinkmann, Diagnostics: Peter Bruggeman, Sources: Klaus-Dieter Weltmann and Transfer: Kurt Becker  
Chair and Secretary: Hans Sawade

### ScientiEc session

<b>Energy &amp; IT</b> Keynote lecture: Dirk Uhrlandt, Interactive lecture: Marley Becerra, Interactive lecture: Kostya (Ken) Ostrikov, Interactive lecture: Ute Ebert, Statement: Volker Brüser, Chair: Sergey Gortschakow, CoChair: Volker Brüser, Secretary: Frank May	<b>Optics &amp; Glass</b> Keynote lecture: Gerrit Kroesen, Interactive lecture: Milan Smek, Interactive lecture: Dirk Hegemann, Interactive lecture: Rainer Martini, Chair: Rainer Martini, CoChair: Rüdiger Foest, Secretary: Holger Testrich	<b>Medicine &amp; Biomedicine</b> Keynote lecture: Pietro Favia, Interactive lecture: Greg Fridman, Interactive lecture: Antoine Rousseau, Interactive lecture: Xinpei Lu, Statement: Thomas von Woedtke, Chair: Peter Bruggeman, CoChair: Stephan Reuter, Secretary: Sjöbille Hasse
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### ScientiEc session

<b>Aerospace &amp; Automotive</b> Keynote lecture: Satoshi Hamaguchi, Interactive lecture: Ute Ebert, Interactive lecture: Ulf Helmersson, Chair: Maik Fröhlich, Secretary: Hannes Grünwald.	<b>Plastics &amp; Textiles</b> Keynote lecture: Mirko Cernak, Interactive lecture: David Cameron, Interactive lecture: Dirk Hegemann, Interactive lecture: Yuri Akishev, Chair: Jürgen Föpcke, CoChair: Jean-Fierre van Helden, Secretary: Stephan Hamann/Frank Hempel	<b>Environment &amp; Hygiene</b> Keynote lecture: Zdenko Machala, Interactive lecture: Bruce Locke, Interactive lecture: Kurt Becker, Statement: Jürgen Kolb, Chair: Bruce Locke, CoChair: Bonny Brandenburg, Secretary: Anna Steuer
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### ScientiEc session July 14th

### ScientiEc session

<b>Energy &amp; IT</b> Follow-up	<b>Optics &amp; Glass</b> Follow-up	<b>Medicine &amp; Biomedicine</b> Follow-up
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### ScientiEc session

<b>Aerospace &amp; Automotive</b> Follow-up	<b>Plastics &amp; Textiles</b> Follow-up	<b>Environment &amp; Hygiene</b> Follow-up
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## Monday afternoon activities

The young scientists are invited to present a scientiEc pitch on Monday afternoon and a poster at the Poster Lunch on Tuesday. We will collect the posters and the scientiEc pitches on Monday morning.

We organized a bus transfer for Monday afternoon to go to the MaJuWi for the Young Scientists ScientiEc Pitches and Barbecue. We will meet at 2.00 pm outside at the INP entrance to the parking. The bus transfer will also go back to Greifswald in the evening at 9.00 pm from MaJuWi.

Please note! For the activities on Monday afternoon please take casual clothes with you since we will offer you options for leisure activities. You may change clothes at the INP.

# VENUES

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## INP

Leibniz Institute for Plasma Science and Technology, Felix-Hausdorff-Straße 2, 17489 Greifswald, Staffel (4th floor). The event will be held at the Leibniz Institute for Plasma Science and Technology. The institute is located in the South Western part of Greifswald near bus stations 'Klinikum' and 'St. Georgsfeld'. There are good bus connections between the institute, the hotels and the central station. ([Link](#))

## MaJuWi

Maritimes Jugenddorf Wieck GmbH Greifswald, Yachtweg 3, 17493 Greifswald/ Wieck, Seminar room. The Maritimes Jugenddorf Wieck is located between the islands Rügen and Usedom at the Greifswalder Bodden in close proximity to Greifswald. ([Link](#))

## AKK

Alfried Krupp Kolleg Greifswald, Martin-Luther-Straße 14, 17489 Greifswald, Conference room. The Alfried Krupp Wissenschaftskolleg is situated in the historical centre of the old University and Hanseatic City of Greifswald. Right next to St. Nicholas' Cathedral, the Institute building unites new substance with a restored historical building, the „Old Apothecary's Shop“, the oldest half-timbered building constructed using the post and beam technique in Mecklenburg-Vorpommern. ([Link](#))

## Restaurant “Zum Friedrich”

Markt 27, 17489 Greifswald. ([Link](#))

# CONTACT PERSONS

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If you have further questions, require more detailed information or need support, please do not hesitate to contact the organizing committee:

## Dr. Hans Sawade

sawade@np-greifswald.de  
+49 3834 554 3899  
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## Dr. Christine Poehlke

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## Norman Kalbëisch

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# TRAVEL

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Greifswald is located in the North Eastern part of Germany. You can reach Greifswald with the train from Berlin. The travel costs of you and your postdoctoral fellow will be reimbursed by the project PlasmaShape (Economy class).

# ACCOMMODATION

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For your convenience we booked for you hotel rooms in Greifswald at:

## Hotel Kronprinz

Lange Straße 22, 17489 Greifswald ([Link](#))  
hotel-kronprinz@t-online.de +49 3834 7900

## Europa Hotel Greifswald GmbH

Hans-Beimler-Straße 1-3, 17491 Greifswald ([Link](#))  
info@europa-hotel-greifswald.de +49 3834 8010

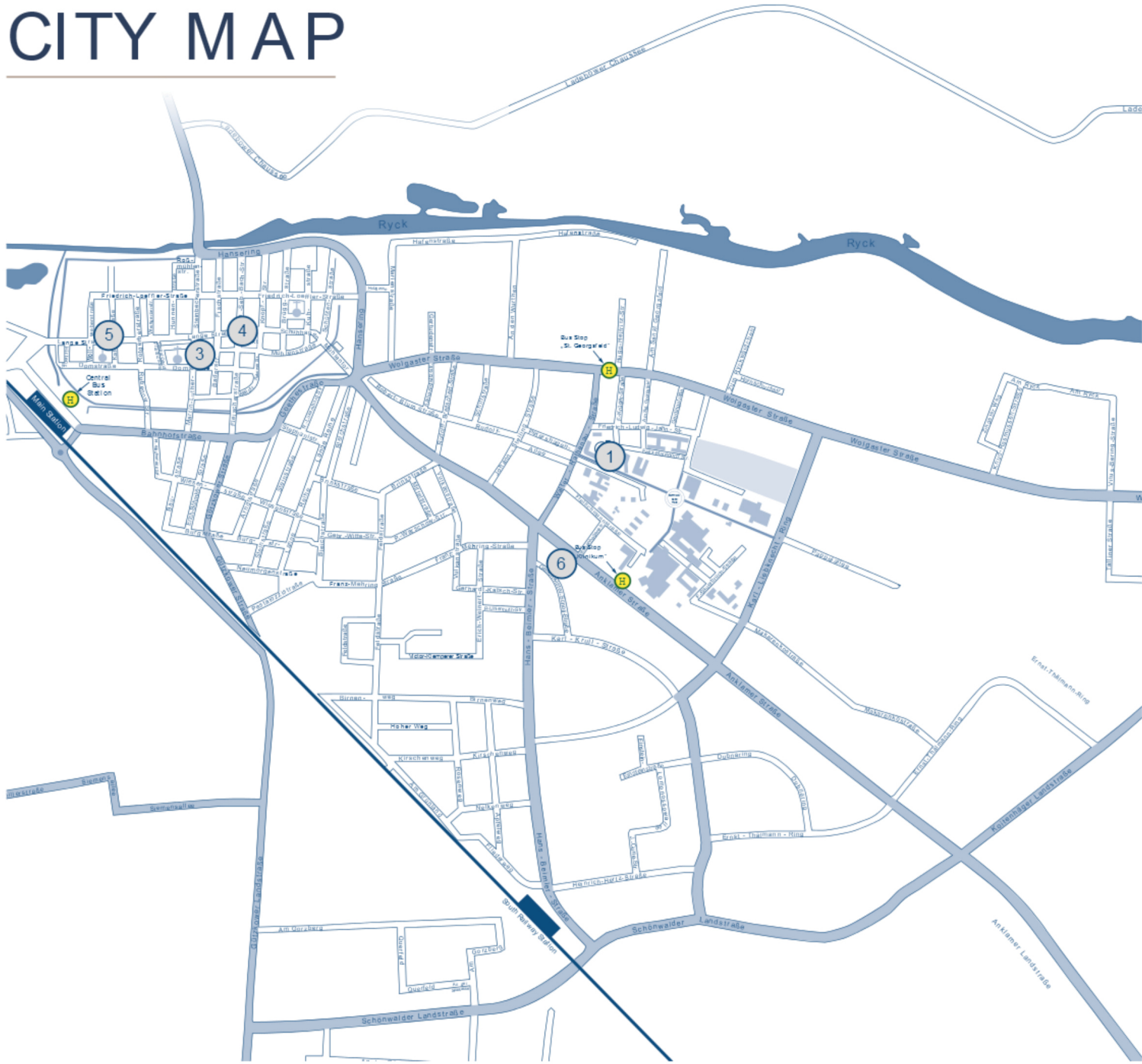


## Acknowledgement



The work leading to this event has received funding from the European Union Seventh Framework Programme (FP7/2007-2013) under grant agreement n° 316216 (Project PlasmaShape).

# GREIFSWALD CITY MAP



# ATTENDEE LIST

title	First name	Name	Organisation	City	Country
Prof.	Yuri S.	Akishev	Troitsk Institute for Innovation and Fusion Research (TRINITI)	Troitsk	Russia
Dr.	Katia	Bazaka	"Joint Sustainable Processes and Devices Laboratory, Queensland University of Technology and CSIRO, Sydney-Brisbane-Melbourne, Australia"	Lindfeld	Australia
Prof.	Marley	Becerra	KTH Royal Institute of Technology	Stockholm	Sweden
Prof.	Kurt H.	Becker	NYU Polytechnical School of Engineering	New York City	USA
Dr.	Ronny	Brandenburg	Research Programme Dekontamination, INP Greifswald	Greifswald	Germany
Prof.	Ralf Peter	Brinkmann	Lehrstuhl für Theoretische Elektrotechnik, Fakultät für Elektrotechnik und Informationstechnik, Ruhr-Universität	Bochum	Germany
Prof.	Peter	Bruggeman	Department of Mechanical Engineering, University of Minnesota	Minneapolis	USA
Dr.	Volker	Brüser	Research Programme Materials/Surfaces, INP Greifswald	Greifswald	Germany
Prof.	David	Cameron	CEPLANT, Department of Physical Electronics, Faculty of Science at Masaryk University, Brno	Brno	Czech Republic
Dr.	Giuseppe	Camporeale	Department of Chemistry, University of Bari	Bari	Italy
Dr.	Jan	Cech	CEPLANT, Department of Physical Electronics, Faculty of Science at Masaryk University, Brno	Brno	Czech Republic
Prof.	Mirko	Cernak	CEPLANT, Department of Physical Electronics, Faculty of Science at Masaryk University, Brno	Brno	Czech Republic
Prof.	Ute	Ebert	Centrum Wiskunde & Informatika and Department of Applied Physics, Technische Universiteit Eindhoven	Amsterdam and Eindhoven	The Netherlands
Prof.	Pietro	Favia	Department of Chemistry, University of Bari	Bari	Italy
Dr.	Rüdiger	Foest	Research Programme Materials/Surfaces, INP Greifswald	Greifswald	Germany
Dr.	Katja	Fricke	Research Programme Bioactive Surfaces, INP Greifswald	Greifswald	Germany
Dr.	Greg	Fridman	A. J. Drexel Plasma Institute, Drexel University	Philadelphia	USA
Dr.	Maik	Fröhlich	Research Programme Materials/Surfaces, INP Greifswald	Greifswald	Germany
Dr.	Torsten	Gerling	Research Programme Plasma Medicine, INP Greifswald	Greifswald	Germany
Dr.	Sergey	Gortschakow	Research Programme Welding/ Switching, INP Greifswald	Greifswald	Germany
Dr.	Hannes	Grünwald	Research Programme Materials/Surfaces, INP Greifswald	Greifswald	Germany
Prof.	Satoshi	Hamaguchi	Osaka University, School of Engineering	Osaka	Japan
	Stephan	Hamann	Research Programme Process Monitoring, INP Greifswald	Greifswald	Germany
Dr.	Jens	Harhausen	Research Programme Process Monitoring, INP Greifswald	Greifswald	Germany
Dr.	Sybille	Hasse	Research Programme Plasma Medicine, INP Greifswald	Greifswald	Germany
Dr.	Dirk	Hegemann	EMPA Swiss Federal Laboratories for Materials Science & Technology	Zurich	Switzerland
Prof.	Ulf	Helmersson	Plasma and Coatings Physics, University of Linköping	Linköping	Sweden
	Hans	Höft	Research Programme Dekontamination, INP Greifswald	Greifswald	Germany
Dr.	Tomas	Homola	CEPLANT, Department of Physical Electronics, Faculty of Science at Masaryk University, Brno	Brno	Czech Republic
Dr.	Kazumasa	Ikuse	School of Engineering, Osaka University	Osaka	Japan
	Alireza	Khakpour	Research Programme Welding/ Switching, INP Greifswald	Greifswald	Germany
Prof.	Jürgen	Kolb	Research Programme Dekontamination, INP Greifswald	Greifswald	Germany
Prof.	Gerrit	Kroesen	Department of Applied Physics, Technische Universiteit Eindhoven	Eindhoven	The Netherlands
Dr.	Abraham	Lin	A. J. Drexel Plasma Institute, Drexel University	Philadelphia	USA
Prof.	Bruce R.	Locke	Chemical and Biomedical Engineering, Florida State University	Tallahassee	USA
Prof.	Xinpei	Lu	School of Electrical and Electronics Engineering at Huazhong University of Science & Technology	Wuhan	PR China

# ATTENDEE LIST

Prof.	Zdenko	Machala	Division of Environmental Physics at the Faculty of Mathematics, Physics and Informatics, Comenius University Bratislava	Bratislava	Slovakia
Prof.	Rainer	Martini	Director of the Department of Physics and Engineering Physics, Stevens Institute of Technology	Hoboken	USA
Dr.	Frank	May	Research Programme Materials/Surfaces, INP Greifswald	Greifswald	Germany
Dr.	Camelia	Miron	Research Programme Dekontamination, INP Greifswald	Greifswald	Germany
Prof.	Kostya (Ken)	Ostrikov	"Joint Sustainable Processes and Devices Laboratory, Queensland University of Technology and CSIRO, Sydney-Brisbane-Melbourne, Australia"	Lindfield	Australia
Dr.	Christine	Pöhlke	Management Support, INP Greifswald	Greifswald	Germany
Dr.	Branislav	Pongrac	Division of Environmental Physics, Faculty of Mathematics, Physics and Informatics, Comenius University Bratislava	Bratislava	Slovakia
Dr.	Stephan	Reuter	Research Programme Process Monitoring, INP Greifswald	Greifswald	Germany
Prof.	Jürgen	Röpcke	Research Programme Process Monitoring, INP Greifswald	Greifswald	Germany
Prof.	Antoine	Rousseau	LPP, Ecole Polytechnique, UPMC, Université Paris Sud-11, CNRS	Palaiseau	France
Dr.	Abdollah	Sarani	Research Programme Dekontamination, INP Greifswald	Greifswald	Germany
Dr.	Hans	Sawade	Management Support, INP Greifswald	Greifswald	Germany
Dr.	Milko	Schiorlin	Research Programme Dekontamination, INP Greifswald	Greifswald	Germany
	Alexander	Schwock	Management Support, INP Greifswald	Greifswald	Germany
Prof.	Milan	Smek	Institute of Plasma Physics ASCR, v.v.i.	Prague	Czech Republic
Dr.	Claudia	Stancu	Research Programme Bioactive Surfaces, INP Greifswald	Greifswald	Germany
	Anna	Steuer	Research Programme Dekontamination, INP Greifswald	Greifswald	Germany
Dr.	An-Bang	Sun	Research Programme Welding/ Switching, INP Greifswald	Greifswald	Germany
	Jannis	Teunissen	Centrum Wiskunde & Informatika	Amsterdam	The Netherlands
Dr.	Dirk	Uhrlandt	Research Programme Welding/ Switching, INP Greifswald	Greifswald	Germany
Dr.	Jean-Pierre	van Helden	Research Programme Process Monitoring, INP Greifswald	Greifswald	Germany
Dr.	Marianne	Vandenbossche	EMPA Swiss Federal Laboratories for Materials Science & Technology	Zurich	Switzerland
Dr.	Tiny	Verreycken	Dutch Institute for Fundamental Energy Research DIFFER	Eindhoven	The Netherlands
Prof.	Thomas	von Woedtke	Research Programme Plasma Medicine, INP Greifswald	Greifswald	Germany
Prof.	Klaus-Dieter	Weltmann	Director and Head of Research Division Environment & Medicine, INP Greifswald	Greifswald	Germany
Dr.	Yubin	Xian	School of Electrical and Electronics Engineering at Huazhong University of Science & Technology	Wuhan	PRChina