

VENUE AND ACCOMMODATION

May our joint work here, this institution, always reach its purposes better, than it was founded for: support common welfare and unite approval and appreciation of all the people whom love beauty, usefulness and sincerity.

(Heinrich Mylius, 1844)



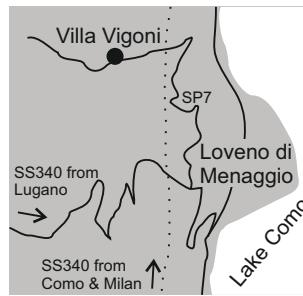
By will Don Ignazio Vigoni Medici di Marignano bequeathed his property at Lake Como to the Federal Republic of Germany. The testator's wish was to create a centre promoting cultural and political understanding between Italy and Germany and at the same time commemorating the friendship of his ancestor Heinrich Mylius with Johann Wolfgang Goethe and Alessandro Manzoni. According to the will's instructions, the property should become a meeting place for personalities from the political, diplomatic, scientific, literary and artistic fields, and it should host a centre for major cultural exchange projects between Italy and Germany as well.

The Villa Vigoni is situated in a beautiful park nearby the Lake Como, which provides the atmosphere for intensive and deepening discussion. During the event the Villa Vigoni offers the possibility to inhabit a mesmerizing atmosphere in every aspect – at the working sessions in the modern conference room, as at the common meals in the ancient main building, European history and culture as well as the testimonies of German-Italian relations can be experienced.

More information about the Villa Vigoni can be retrieved from www.villavigoni.it/

Location of the Villa Vigoni

Associazione Villa Vigoni
Centro Italo-Tedesco
Via Giulio Vigoni, 1
22017 Loveno di Menaggio (CO)
Italia



Loveno di Menaggio is located about 80km north of Milan at the western shore of Lake Como.

How to reach Loveno di Menaggio

Going by car and approaching from Milan, Menaggio is accessible by freeway A8 and A9 towards Como. From the exit Como North via the state road SS340 at the lake's western shore in northern direction with destination Menaggio. Approaching from Lugano via the Via Riviera (later Str. di Gandria) towards the Swiss/Italian border. Menaggio is reached by the state road SS340.

Organisation of the transfer for guests travelling by public transport by the Villa Vigoni reception. Collective transfers from / to:

- airport Milano Malpensa
- airport Milano Linate
- trainstation Como San Giovanni
- trainstation Lugano

Transfer from/to airport Lugano-Agno is possible.



INTERNATIONAL WORKSHOP ON

Physicochemical-based Models for the Prediction of safety- relevant Ignition Processes

Research Group FOR 1447



12th – 14th October 2016

**Villa Vigoni Association
German-Italian Centre
22017 Loveno di Menaggio (CO)
Italy**

GENERAL INFORMATION

Organisation

Research Group FOR 1447,
Karlsruhe Institute of Technology, Germany

Deadlines

Registration for participation: **July 31st 2016**

Registration

The registration form can be downloaded from the [homepage](#). The registration fee is 400 € and includes workshop material, accommodation from October 12th to October 14th (2 nights), breakfast, lunch and dinner, as well as coffee breaks as indicated in the program, welcome reception on Wednesday and social evening event on Thursday. The Villa Vigoni provides 42 single rooms. These are allocated on a "first come first served" basis.

Furthermore, there is a possibility to attend the workshop only. Registration fee then is 200 € and includes workshop material, lunch and coffee breaks, as well as welcome reception on Wednesday and social evening event on Thursday. Additional accommodation will be provided in hotels nearby.



Contact

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The Research Group FOR 1447 "Physicochemical-based Models for the Prediction of safety-relevant Ignition Processes" has been established since 1st of June 2010 by the Deutsche Forschungsgemeinschaft. The FOR 1447 combines research groups from the faculties Mechanical Engineering, Chemistry and Biosciences and Chemical and Process Engineering of the Karlsruhe Institute of Technology (KIT) and research groups from the University of Magdeburg (OvGU) and Physikalisch-Technische Bundesanstalt (PTB). The funding of the research group will expire after six years in September 2016.

In recent years many studies regarding scientific questions on ignition processes have been carried out successfully, in which the main focus was on how to achieve and ensure ignition. However, still many safety-relevant research questions remain unanswered. Within the research group FOR 1447 comprehensive models have been developed, which include important ignition events such as autoignition, ignition by electrical discharges, ignition by hot free jet flows, ignition in turbulent flows and ignition by mechanical sparks. These models offer an opportunity to simulate ignition processes concerning safety engineering issues with respect to local ignition scenarios. The experimental data needed to validate these models have been obtained in different projects within the research group.

The international workshop on "Physicochemical-based Models for the Prediction of safety-relevant Ignition Processes" will be the concluding colloquium of the FOR 1447 where the progress and highlights of the work in the single projects will be evaluated against their initial vision. The presentations of the particular research groups will be enriched by invited talks from highly ranked academical participants.

PROGRAM

The workshop will be organized in three half-day sessions on October 13th and 14th:

Welcome Reception (October 12th Evening)

October 13th Morning Session:

Model Development for Ignition Processes

October 13th Afternoon Session:

Chemical Kinetics for Ignition Processes

October 14th Morning Session:

Ignition in turbulent Flow Fields

The workshop will start on Wednesday, October 12th at 7 p.m. and will end on Friday, October 14th at 12:30 p.m., lunch on Friday will be offered from 12:30 p.m. and is included in the registration fee.

The presentations of the members of FOR 1447 will cover different subjects such as

- Physical and chemical models for ignition processes
- Autoignition mechanisms and kinetics
- Ignition by mechanical sparks
- Ignition by electrical discharges
- Ignition in turbulent flows using DNS
- Ignition by hot free jets

The talks of the research group will be enriched by invited contributions of external researchers:

Prof. Tiziano Faravelli, Politecnico di Milano, Milan, Italy: „*Interpreting the Hydrocarbon Explosion Diagrams*“

Prof. Joseph E. Shepherd, California Institute of Technology, Pasadena, United States: „*Hot Surface Ignition Experiments and Modeling*“

Prof. Antonio Cavaliere, Università degli Studi di Napoli Federico II, Naples, Italy: „*Taxonomy of Ignition Elementary Processes In Homogeneous Gas State*“

Dr. Nabiha Chaumeix, Centre National de la Recherche Scientifique, Orléans, France: „*Explosion Risk Assessment of H₂-based Mixtures*“

The final program will be distributed by October 1st 2016.