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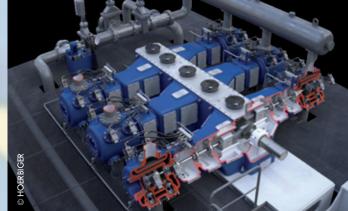
Technical University of Dresden, Institute for Energy Technology

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# **European Forum for Reciprocating Compressors**



# **Student Workshop**

sponsored by EFRC\* June 10-13, 2014

Austria / Czech Republic

Gain an insight into reciprocating compressor technology!
And win an attractive price!

\*This Student Workshop sponsored by EFRC is cost-free for the participants.



#### Who we are

#### The EFRC Organisation

The European Forum for Reciprocating Compressors was founded in June 1999 as a non-profit association to support European users, manufacturers and scientists working with reciprocating compressors in terms of technology, exchange of experience, formation and enforcement of standards and precompetitive research.

#### **Our Background**

The increasing demand for economic plant operation has led to a critical discussion of the equipment as to selection, design, maintenance and automation. The well-known advantages of the reciprocating compressor – high efficiency in many different operating conditions, comparatively easy regulation possibilities, suitability for light gases, high compression ratios, and many more – have led to a renaissance of this type of machinery.

### **Our Goals are**

#### **Exchange of Information and Experience**

The EFRC acts as a 'forum of ideas' providing scientists and engineers the opportunity to spread new ideas or to carry them out. The end users in their turn can take the opportunity to report on their experience with the reciprocating compressor and to request the industry concerned for solutions to problems.

Improve the Image of Reciprocating Compressors It will be shown that reciprocating compressors meet all the requirements of modern machines and even create new possibilities.

#### **Improved Specifications and Standards**

The forum will also offer an opportunity for constructive criticism concerning the internationally used US standards. The aim should be to provide an interpretation and improvement of the above regulations adapting them to modern experience and specific European needs.

# **Programme**

#### Day One, June 10, 2014

11:00 Welcome at HOERBIGER Compression
Technology, Vienna
Introduction of EFRC Student Workshop
Plant tour
Transfer to Leobersdorf
Visit of LMF – Leobersdorfer Maschinenfabrik,
Compressor manufacturer
Lecture: Basics of the reciprocating compressors
Night stop in Vienna, AUT

#### Day Two, June 11, 2014

Transfer to Czech Republic
Visit of RWE gas storage plant, UGS Dolní Dunajovice
Lecture: The role of the reciprocating compressors in
the gas storage business
On-site tour
Night stop in Český Krumlov, CZ

#### Day Three, June 12, 2014

Transfer to Austria
Visit of Borealis Group, Schwechat
Lecture: The role of reciprocating compressors in the
chemical industry
On-site tour
Night stop in Vienna, AUT

#### Day Four, June 13, 2014

Visit of Vienna University of Technology Lecture: Basics of pulsation and gas dynamic of reciprocating compressors Handover of workshop task

14:00 End of EFRC Student Workshop

# Win a price!

At the end of the workshop the participants will get a challenging task to solve. Closing date is two weeks later. The owner of the best solution will win a one week stay in Florence and will take part in an innovative hands-on-training to gain in-depth knowledge sponsored by GE Oil & Gas.

The price: One week stay in Florence, Italy including training in the Florence Learning Center of GE Oil & Gas, transportation and accommodation

#### Want to take part?

Use this great opportunity and register as soon as possible as space is limited and fills up quickly.

Please, send your application to Mrs. Helen Neuber via email: contact@recip.org

European Forum for Reciprocating Compressors e. V. c/o Technische Universität Dresden, 01062 Dresden



\*This Student Workshop sponsored by EFRC – European Forum of Reciprocating Compressors – is cost-free for the participants. It includes accommodation and travelling expenses, each student gets a max. refund of EUR 300.-for the transfer to Vienna and back home.