

AREE Registration Form

Please return

Fax: +49 2821 806-7344369 or

Email: colloquium-aree@hochschule-rhein-waal.de

Title/Last Name:

First Name:

Company/Institution:

Mailing Address:

Phone:

Email:

Fax:

- Yes, I would like to register to participate in AREE 2015 and I will transfer the colloquium fee immediately.
- I would like to register for one day (5th or 6th).
- Student (including dinner)
- Student (excluding dinner)
- Extra dinner

Title:

(Please include an abstract on a separate page.)

Call for Poster Presentations

In order to complement the lectures we would like to invite you to submit abstracts for poster presentations in any of the below mentioned themes or related areas:

- New analytical tools for REE analysis
- New preconcentration techniques for Rare Earth elements
- New digestion procedures for Rare Earth samples
- Analytical separation techniques for REEs
- Determination of Rare Earth elements in different materials

Poster presenters will be provided with suitable presentation space. Abstracts should be submitted by e-mail: colloquium-aree@hochschule-rhein-waal.de The abstracts should include the study objectives, results and tentative conclusions. Deadline for the submission of abstracts for poster presentations: **1st October 2015**

Call for Exhibitors and Sponsors

Companies/consultants involved in the analysis of REEs are invited to support the colloquium by advertising in brochures, renting exhibition space and/or sponsoring social events. All sponsors in cash or kind will be acknowledged in the colloquium programme and during the meeting. For further information, please contact us by email: colloquium-aree@hochschule-rhein-waal.de

Accommodation

Please contact directly:

Tourist Information

Kleve Marketing GmbH & Co. KG,
Email: stadtmarketing@kleve.de
www.kleve-tourismus.de

or The Rilano Hotel Cleve City

Bensdorpstrasse 3, 47533 Kleve, Germany
Email: events-klevecity@rilano.com
www.rilano-hotel-kleve.de

Keyword: AREE 2015

Colloquium Fee

The fee covers the entry to the colloquium and the exhibition, abstracts, tea and coffee during breaks and the formal dinner.

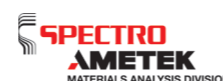
- Full colloquium € 200.00
- Daily ticket (excluding dinner) € 100.00
- Students € 85.00
- Students (excluding dinner) € 50.00
- Participants from universities/educational institutions € 170.00
- Extra ticket for evening dinner at Hotel Rilano € 35.00

Payment

Payment can be made by cash or bank transfer to the following account. The invoice will be sent separately.

Account holder: Hochschule Rhein-Waal
Bank: Volksbank Kleverland eG
BIC: GENODE1KLL
IBAN: DE68324604220000007013
Reason for payment: Colloquium Fee AREE 2015

We cordially thank the following institutions for their support:



Contact

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Fax: +49 2821 806-73 44369

Email: colloquium-aree@hochschule-rhein-waal.de

Internet: www.hochschule-rhein-waal.de/aree

Kleve Campus

Marie-Curie-Straße 1, 47533 Kleve, Germany

Parking

Marie-Curie-Straße 1,

Marked "Hochschule Hörsaalzentrum"

Navigation Address and Map

Briener Straße 1, 47533 Kleve



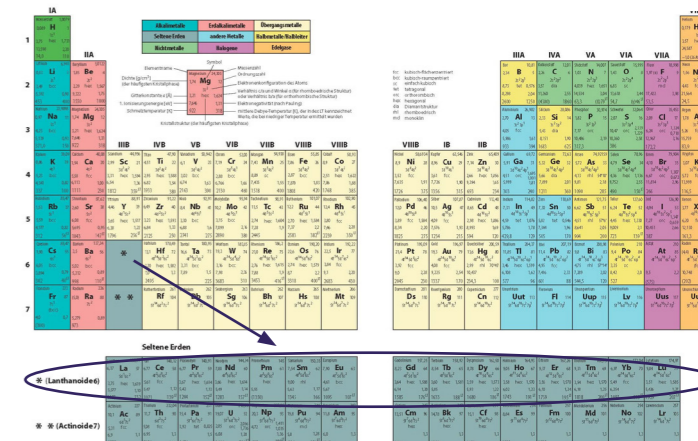
www.hochschule-rhein-waal.de



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International Colloquium and Exhibition Analysis of Rare Earth Elements Methods and Application

AREE 2015
Programme

5th – 6th October 2015
Rhine-Waal University of Applied Sciences
Kleve, Germany

Published: October 2015

International Colloquium and Exhibition
**Analysis of Rare Earth Elements
Methods and Application**

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Registration

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or

register online at:

www.hochschule-rhein-waal.de/aree

Conference Theme

Rare earth elements (REEs) are widely used in high technology. They are essential components of many modern products, including electronic devices. During the past 30 years, mining and processing of REE ores, technology for separation of raw mixtures, and the production of pure elements have been developed in order to create and generate more and more high-tech devices. There has been an explosion in demand for many items that require rare earth elements. The production of REEs could well be realized by the development of powerful analytical methods in order to characterize the elements and also to control the processes during production.

Organizing Committee

Dr. Myint Myint Sein,
Prof. Dr.-Ing. Thorsten Brandt,
David Staschko,
Rhine-Waal University of Applied Sciences, Kleve
Dipl.-Ing. Gerd Fischer
University of Duisburg-Essen
Prof. Dr. Alfred Golloch
Centrum für Analytik und Information, Aachen
Prof. Dr. Marie-Louise Klotz
COGNOS AG, Köln

Venue of the Colloquium

Rhine-Waal University of Applied Sciences
Kleve Campus
Marie-Curie-Straße 1
47533 Kleve, Germany

Audimax, Building 1 (first floor, room 01 01 002)



Colloquium Programme

Monday 5th October 2015

8:30 – 9:00 Registration

9:00 – 9:15

Welcoming Address

Dr. Heide Naderer

President

Rhine-Waal University of Applied Sciences, Kleve

9:20 – 9:45

Colloquium AREE

**An Important Component to Promote the Analysis
Methods of Rare Earth Elements in Analytical Chemistry**

Prof. Dr. Marie-Louise Klotz

COGNOS AG, Köln

10:00 – 10:30

Rare Earths – Key Elements for High-Tech Applications

Dr. Stefan Pirker

Treibacher Industrie AG, Austria

10:45 – 11:00

Coffee Break

11:00 – 11:30

Determination and Speciation of Lanthanoides by ICP-MS

Dr. Norbert Jakubowski

BAM Bundesanstalt für Materialforschung und -prüfung,
Berlin

11:45 – 12:15

**Determination of Rare Earth Elements Concentration in
Environmental Samples**

Dr. Hartmut Jäger

Eurofins Umwelt West GmbH, Wesseling

12:30 – 13:00

**Separation/Preconcentration Techniques for Trace Rare
Earth Elements Analysis**

Prof. Dr. Bin Hu

Department of Chemistry, Wuhan University, China

13:15 – 14:30

Lunch Break

14:30 – 15:00

**Analysis of Rare Earth Elements in Rocks and Mineral
Samples by ICP-MS and LA-ICP-MS**

PD Dr. Sven Sindern

Institut für Mineralogie und Lagerstättenlehre,
RWTH Aachen

15:15 – 15:45

Rare Earth Elements Analysis by ICP-OES

Dr. Man He

Department of Chemistry, Wuhan University, China

16:00 – 16:15

Coffee Break

16:15 – 16:45

Poster Presentations

17:00 – 18:00

Social Programme

City tour (visit to Schwanenburg, Kleve)

19:00 – 21:30

Conference Dinner

The Rilano Hotel Cleve City

Tuesday 6th October 2015

8:30 – 9:00

From REE-Enrichment to Deposits – An Overview

Dr. Robert Möckel and Prof. Jens Gutzmer

Helmholtz Institute Freiberg for Resource Technology

Dr. Ulf Kempe

Institut für Mineralogie, TU Bergakademie Freiberg

9:15 – 9:45

**Automated Quantitative Rare Earth Elements Mineralogy
by Scanning Electron Microscopy**

Prof. Dr. F. Michael Meyer and PD Dr. Sven Sindern

Institut für Mineralogie und Lagerstättenlehre,
RWTH Aachen

10:00 – 10:30

**Electronic Absorption and Emission Spectroscopy of
Rare Earths**

Prof. Dr. Michael Seitz

Universität Tübingen

10:30 – 11:00

Coffee Break

11:00 – 11:30

**Rare Earth Elements Analysis of Glass and Advanced
Materials**

Dr. Jürgen Meinhardt

Fraunhofer – Institut für Silicatforschung ISC, Würzburg

11:45 – 12:15

**Neutron Activation Analysis of the Rare Earth Elements
(with Emphasis on Geological Materials)**

Prof. Dr. Heinz-Günter Stosch

Karlsruhe Institut für Technologie (KIT), Karlsruhe

12:30 – 13:00

**Application of Arc/Spark Atomic Emission Spectrometry
for the Determination of Rare Earth Elements in Metals
and Alloys**

Dr. Jörg Niederstrasser

OBLF Gesellschaft für Elektronik und Feinwerktechnik
GmbH, Witten

13:00 – 14:15

Lunch Break

14:15 – 14:45

**The Importance of Rare Earth Elements Analysis for the
Realisation of Recycling Processes**

Dipl.-Ing. Konrad GÜth

Kompetenzfeldleitung Analytik, Fraunhofer – Institut für
Silicatsforschung ISC, Hanau

15:00 – 15:30

**Use of X-Ray Fluorescence Analysis for the Determination
of Rare Earth Elements**

Dr. Rainer Schramm

FLUXANA GmbH & Co. KG, Bedburg-Hau

15:45 – 16:15

**The Development of Rare Earth Analysis to the Present
State of the Art**

Prof. Dr. Alfred Golloch

Centrum für Analytik und Information, Aachen

16:20

Conclusion/Get Together