

Mr Bernhard Marewski, Mayor, City of Leverkusen

Visit to the University of Oulu, December 14-15, 2017

Bernhard Marewski, second Mayor, City of Leverkusen

Dr. Astrid Rehorek, Director, Research Institute STEPs

Dr. Stephan Barbe, Professor, Technical University of Cologne



AGENDA

Dec 14

- 09:00 **Arrival & Welcome** (Address: Pentti Kaiteran katu 1)
Mr Sakari Jussi-Pekka, Head of External Relations
- 09.15 **Introduction to University of Oulu** (Tellus, Room Aspire)
Mr Sakari Jussi-Pekka, Head of External Relations
- 09.30 **Second scientific conference of the research institute STEPs to celebrate 50 Years of Town Twinning between the city of Leverkusen and the city of Oulu** (Tellus, Room Aspire)
- Aims of the conference
Bernhard Marewski, second Mayor, City of Leverkusen
- Proposal for theme and topic of the conference
Dr. Astrid Rehorek, Director, Research Institute STEPS
- Discussion
- 11.15 **Lunch** (Restaurant Foodoo)
Host: Mr. Arto Maaninen, Vice Rector, Cooperation
- 12.30 **Visit to laboratories and research centres**
- Center of Microscopy and Nanotechnology
Janne Remes, Director
- Fab Lab Oulu (fabrication laboratory)
Jani Ylioja, Director
- Minipilot Facility, Oulu Mining School
Ilkka Hynynen, Project Leader

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- 13.45 **Introduction to research topics** (Room M204)
Professor Riitta Keiski, Dean, Faculty of Technology
- Topic: Resources**
- BCDC Energy research project
Research professor Maria Kopsakangas-Savolainen
- Bioremediation
*Katharina Kujala, PostDoc Researcher,
Water Resources and Environmental Engineering Research Unit
(Prof. Björn Klöve)*
- 14.30 **Topic: Innovative materials**
- Catalysis as Environmental technology and Separation processes
*Professor Riitta Keiski, Environmental and Chemical Engineering
Research Unit*
- Biocomposite research
*Dr. (tech) Maiju Hietala, Fibre and Particle Engineering Research
Unit (Prof. Mirja Illikainen)*
- Nanocellulose research
*Dr. (tech) Ossi Laitinen, Fibre and Particle Engineering Research
unit (Prof. Mirja Illikainen)*
- Lithium-ion battery chemicals for energy storage applications
Professor Ulla Lassi, Sustainable Chemistry Research Unit
- 15.45 **Topic: Industrial Biotechnology**
- Isolation and application of novel biocatalysts from arctic nature
Large-scale bioreactor concepts – mixing and mass transfer
Biochemical valorization of lignin and lignin based monomers
Enzymatic modification and degradation of cellulose
- Dr. (tech) Sanna Taskila, Chemical Process Engineering Research
Unit (Prof. Juha Tanskanen)*
- 16.15 **Closing remarks**
- 16.30 Departure to City Centre
- 18.30 **Dinner** (tbc)

Dec 15

8.30 Departure to well-being campus of the University of Oulu

8.45 **Arrival & Welcome** (Address: Aapistie 5A)

09.00 **Topic: Sustainable Medicine and Virus Technology**
(Dentopolis, Room H2131)

Introduction to the topic

Professor Anne Remes, Dean, Faculty of Medicine

*Professor Peppi Karppinen, Dean, Faculty of Biochemistry and
Molecular medicine*

Research cases related to the topic

Functional Neuroimaging

Vesa Kiviniemi, MD, PhD, Adj. professor of Diagnostic Radiology

The Biocenter Oulu Virus Core laboratory

Aki Manninen, Adjunct Professor of Cell Biology, Ph.D.

FutuRena

Seppo Vainio, Ph.D., Professor in Developmental Biology

10.30 **Introduction to Dentopolis**

11.15 Departure to BusinessOulu (Address: Yrttipellontie 6)

11.30 **Lunch**

Petri Karinen, Service Dir. of International Affairs, BusinessOulu

Jari Tuovinen, Managing Director, Oulu Chamber of Commerce

Jouko Paaso, Rector, University of Applied Sciences

12.45 Departure to Linnanmaa Campus

13.00 **Closing Session: Wrap-up and planning** (Tellus, Frost Club)

15.00 Departure

Further information:

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