



ACHEMA 2012 Congress and Meeting Program
"Sustainable laboratories"

Concepts and buildings

Monday, June 18, 10:30 to 13:00

Chairmen: Phil Wirdzek and Egbert Dittrich

Transforming laboratory facility management through building information management - A partner project of I2SL, IFMA and NIBS

Phil Wirdzek et al., International Institute for Sustainable Laboratories (I2SL), USA

Strategies for a sustainable operation of laboratory buildings – Perspectives and objectives driven from the European stakeholders association

Egbert Dittrich, EGNATON e.V., D

Case Study - New construction of Daniel F. and Ada L. Rice Plant Conservation Center at the Chicago Botanic Garden

Daniel L. Doyle, Grumman/Butkus Associates, USA

The U.S. Federal sustainability efforts: An update

Beth Shearer, Beth Shearer and Associates, Inc, USA

Introducing the 4 levels of flexibility in sustainable laboratory building design and construction process

Adelmo Antelo and Antton Altube, High Identity Buildings S. L., E

Planning, control and operation

Monday, June 18, 14:00 to 17:00

Chairmen: Antton Altube and Eberhard Keller

A Universal Science Building? Challenging the Over-Customization of Design in Laboratory Planning

Mike Dockery, Sui Generis Ltd., GB

How to optimize operating costs in laboratory buildings? Latest results of a qualified benchmarking project

Andreas Kühne et al., BAUAKADEMIE, D and Uwe Schönfelder, BASF SE, D

The most contemporary lab ventilation – No draft, less risk, less energy, more comfort

Hansjürg Lüdi, H.Lüdi + Co.AG, CH

Using building automation system data to manage laboratory energy and operation

Jim Coogan, Siemens Industry Inc., USA

Leveraging energy efficiency and demand reduction through the implementation of total lighting control and integration with building management systems

Tim Kehrli, Lutron Electronics Co., Inc., USA

Specifying exhaust systems to avoid adverse health

John Carter, CPP Wind Engineering and Air Quality Consultants, USA

Booth Party of EGNATON

Monday, June 18, 17:00 to 18:00

Hall 4.2 P12

EGNATON invites all members, friends and those who are connected to sustainability

Ventilation, energy and economy

Tuesday, June 19, 10:30 to 13:00

Chairmen: Peter Dockx and Bernd Schoeler

Laboratory room control requirements in the course of time

Bernd Schoeler, Waldner GmbH & Co. KG, D

Air management – Integral design enhancing economy, efficiency, safety and flexibility

Matthias Olders, TROX GmbH, D

Applying phase change materials in sustainable laboratories

Peter Dockx, Van Looy Group, B

Clean room HVAC optimization

T. Walsh and Thomas Riffel, Siemens Switzerland Ltd., CH

A holistic overview of technologies and strategies to achieve near net zero labs

Gordon P. Sharp, Aircuity, Inc., USA

Furnishing

Tuesday, June 19, 14:00 to 17:30

Chairmen: Mike Dockery and Iñaki Aldamiz

Laboratory furniture goes green - How sustainable could/should laboratory furniture be?

Konrad Kreuzer, EGNATON e.V., D

Sustainable materials for laboratories

Iñaki Aldamiz, Burdinola S. Coop, E

Safety aspects of surfaces

Gerold Ehmen, EhmTec Consulting GmbH, CH

Sustainability through global approved safety storage cabinets

Roland Bieder, Düperthal Sicherheitstechnik, D

Modular laboratory room systems

Christian Kern, Waldner GmbH & Co. KG, D

Planning of economic laboratory furniture

Christophe Roux, Köttermann SAS, F

Laboratories - A statistical review

Volker Krieger, Burdinola Deutschland GmbH, D

Barbecue Party at the Dittrich's House

Tuesday, June 19, 19:30 to 22:30

Mühlthalstr. 61, 64625 Bensheim

For EGNATON and GSLN members. Please apply to egbert.dittrich@egnaton.com until June 11th

Safety

Wednesday, June 20, 10:30 to 13:15

Chairmen: Hermann Philipp and Thomas Brock

Decontamination effectiveness of single-head emergency showers

Volker Heil et al., Fraunhofer UMSICHT, D and Thomas Brock, BG RCI, D

Safe labs versus green labs: Is there a way to protect the environment without compromising safety?

Cédric Herry, Erlab DFS, F

Why buying safety cabinets for flammable and chemical products: norms and choice criteria

Luigi Cargnello, Labor Security System S.r.l., I

New approaches to safe fume cupboards

K. Doyuran, Köttermann GmbH & Co. KG, D

Experimental lecture – Solutions for the safe storage and handling of hazardous materials in work areas

Sascha Kunkel, asecos GmbH, D

Strategies for sustainable laboratories

Wednesday, June 20, 15:00 to 16:30

Expert round table discussion

Forum, Level 0

Wednesday, June 20, 17:00 to 18:00

Introduction of the “Handbuch für nachhaltige Laboratorien”

Editor Egbert Dittrich and authors meet the public and the press.

EGNATON booth hall 4.2 P12

Fume cupboards and air technology

Thursday, June 21, 10:30 to 13:00

Chairmen: Bernhard Mohr and Bernd Konrath

Safety meets sustainability – A new modular conception of walk-in fume hoods

Hans-Dieter Grütering, Infracor GmbH, D

The new European Standard EN 14175-7: Fume cupboards for high heat and acidic load – Put into practice

Jürgen Liebsch, Waldner GmbH & Co. KG, D

The influence of air temperatures onto the containment of fume cupboards – Observations and numerical simulation

Bernd Schubert, Tintschl BioEnergie und Strömungstechnik AG, D

Innovative solutions for fume cupboards

Frank Buchholz, Köttermann GmbH & Co. KG, D

Methods to ensure performance and energy savings using filtered fume hoods

Thomas C. Smith, Exposure Control Technologies Inc., USA and A. Aveard, GFH, USA