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Biomedical Engineering Day

University of Bern

May 27, 2016

Bern, Inselspital

Auditorium Ettore Rossi

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**UNIVERSITÄT
BERN**

Master's Program
Biomedical Engineering

Final Program

09.00

Welcome & Introduction

H.-U. Simon, Vice-Dean of the Medical Faculty, University of Bern

L. Rohr, Head of Department, Bern University of Applied Sciences-TI

09.20

Presentations of Medical Technology Companies (I)

Medical device development process @ Stryker, trauma & extremities

A. Ganz, Stryker GmbH

Siemens Healthcare – today and in the future

Ch. Napierala, Siemens Healthcare AG

Talent Entry and Development within Johnson & Johnson Medical Devices Family of Companies

B. Lechmann, Depuy Synthes

10.05

Biomedical Engineering Research & Education – An Update

Ph. Zysset, ISTB and Master of Science in Biomedical Engineering,

University of Bern

10.15

Presentation of Medical Technology Companies (II)

Applied research to inform and verify orthopaedic implant design

J. Seebeck, Zimmer GmbH

Computer-assisted laser eye surgery

L. Kohler, Ziemer Ophthalmic Systems AG

The Accu-Chek® journey: from innovative blood glucose monitoring systems to diabetes management solutions

P. Jäggi, Roche Diabetes Care (Schweiz) AG

11.00

Coffee Break

Participants may meet with representatives of Medtech companies at their booths and visit the research exhibits of the University of Bern and the Bern University of Applied Sciences.

The live broadcast will begin during this coffee break. Participants interested in the preparatory steps of the surgery are welcome to join.

11.45

Live Surgery

C. Surke, Department of Plastic and Hand Surgery, University Hospital Bern (Inselspital)

Moderator: B. Juon Personeni, Department of Plastic and Hand Surgery, University Hospital Bern (Inselspital)



Bern University
of Applied Sciences

www.bfh.ch



www.si-cas.com



Biomedical
Engineering Club

www.bmeclub.ch



www.ieee.ch



- 12.30 Lunch**
- Participants may meet with representatives of Medtech companies at their booths and visit the research exhibits of the University of Bern and the Bern University of Applied Sciences.
- 13.30 Presentation of Medical Technology Companies (III)**
- Icotec Carbon/PEEK implants – Swiss technology for optimized orthopaedic imaging*
R. Hüppi / A. Dünki, Icotec AG
- On the use of nanoindentation for local mechanical characterization of biological materials*
J. Nohava, Anton Paar TriTec SA
- Micro-Computed tomography: applications driving developments*
M. Stauber, Scanco Medical AG
- 14.15 Keynote Lecture**
- Nanomaterials for life sciences – opportunities and challenges*
B. Rothen-Rutishauser, Adolphe Merkle Institute, University of Fribourg
- 14.45 Presentation of Medical Technology Companies (IV)**
- How high are the hurdles between the idea and a medical device?*
D. Delfosse, Mathys Ltd Bettlach
- From idea to market success - how the SIP can support you!*
M. Sauter, Switzerland Innovation Park Biel/Bienne
- Shaping the future of surgery*
M. Peterhans, CAScination AG
- 15.45 Coffee Break**
- Participants may meet with representatives of Medtech companies at their booths and visit the research exhibits of the University of Bern and the Bern University of Applied Sciences.
- 16.15 Award Presentations**
- Best Master Thesis and PhD Awards (SICAS Foundation) and Best Poster Awards (BME Club)
- 16.45 Student Lottery**
- 17.00 Closing Remarks & Adjourn**



Exhibitors & Sponsors:

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|---|---|
| BME Club | Anton Paar TriTec SA |
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