

BME NEWS

Here we are!



The Biomedical Engineering Club of the University of Bern, founded in spring 2009, offers Biomedical Engineering graduates, students and lecturers an opportunity to network and socialize within the BME network. The Club provides the foundation for alumni activity. We are working on strengthening ties with current students, alumni, corporate members, and the teaching personnel.

Our 'Stammtisch' is a popular way to meet and network with other members.

Join us every other month on the second Tuesday (next date: 12 January 2010) at Restaurant Beaulieu in Bern. For further information visit us at www.bmeclub.ch.

As the BME Club grows, and gains more members and more expertise, we look forward to activities serving the medical, scientific, and educational communities.

If you are a networking freak, then please join our groups on Facebook, Xing and LinkedIn.

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Participate in the new logo competition:



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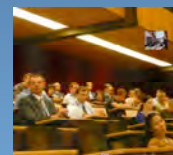
Welcome 1st semester students!

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Toyota event

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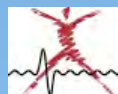
Biomedical Engineering Day 2010

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Calendar



Check out the IEEE web page for information about their guest lecture series. www.biomedeng.org



Visit the SSBE website for current activities and www.ssbe.ch

*"Those were good times,
the years in Bern."*

Albert Einstein

Welcome, new Master Students!

September 14 marked the beginning of the new academic year and at the same time it was the first day for a new biomedical master class. This year we have the pleasure to count 65 new students. A welcome meeting was organized in the "Salhi-Haus" on the Insel campus by the study coordination and our club for the 1st semester students.

After an introduction speech by Prof. L.-P. Nolte and an overview of the administrative work by U. Jakob, all three focus areas - Muskuloskeletal System, Intelligent Implants and Medical Robotics, Image-Guided Therapy - were presented by Profs. P. Cattin,

L.-P. Nolte and V. Koch. Each speaker showed some interesting projects from their laboratories. The last speaker was our president - P. Urwyler - who presented the Biomedical Engineering Club and the executive board to the students.

After the speeches, we enjoyed a little apero and talks between students, lecturers and members of the club. This was a good opportunity for the students to ask questions about the master program. Based on this great experience we will organize similar events in the future!



*New students
registering for the
BME Club!*

*Free T-Shirts for
new members.*

Logo Competition – join in, win it!



*Blue, red, green, round or square ...
We don't care how you find a new logo
– it should just be excellent!*



Participate in our BME Club logo competition.

We are still looking for the perfect logo. Create a new BME Club logo and win a ciné-card.

Please, submit your fully completed logo to info@bmeclub.ch. Competition deadline April 30, 2010.

The best logo will be evaluated by our panel of judges and will be rewarded with a prize. The winning logo will be presented at the BME Day 2010.



Visit of the Toyota ITC representative, 30th Sept 2009

The BME Club made its presence at the program of the visit of the ITC Toyota representative, Mr. Miko Danno of Toyota ITC at the Bern University of Applied Science on September 30, 2009. This event was jointly hosted by the Bern University of Applied Sciences, University of Bern, Bern Economic Development Agency, and the Competence Center for Medical Technology. The program started with a lunch with representatives from the host institutions. The post-lunch session was moderated by the President of the BME Club, presenting and introducing speakers from various institutions and disciplines.



The talks covered a broad range of topics like Information Security, Car and Driver Security, research activities at the Bern University of Applied Sciences, the teaching curriculum of the Masters in Biomedical Engineering, and medical data from drivers with a cardiological view. The medical technology talks ended with an interesting presentation from Prof. Dr. Urs Mosimann on ways of approaching the driving issues and field of view issues of the aged.

To end with, Mr. Danno was given the opportunity to experience a Virtual World in Stereoscopic 3D at the Haptic CAVE of the Bern University of Applied Sciences. The medical technology teams in Bern are positive that some collaborative work might come their way from Japan.

LPN goes CTI - New Challenge for BME Club Founder



Prof. Lutz P. Nolte, Director of the Biomedical Engineering Program, has accepted the position of Head of the MedTech Initiative of the Innovation Promotion Agency (CTI). The MedTech Initiative of the CTI plays a key role in strengthening Switzerland's position as a centre of medical engineering. The main goals of the program are to support applied research of public institutions in cooperation with the Swiss medical technology industry, to promote the innovation and competitiveness and to stimulate the transfer of expertise between research labs and MedTech companies.

For details see www.bbt.admin.ch/kti .

Biomedical Engineering Day

*** 2010 ***

After this year's great success we are very pleased to announce the Biomedical Engineering Day 2010 organized by the University of Bern Biomedical Engineering Program and its alumni association, the Biomedical Engineering Club. The BME Day is a hub for BME professionals and for the BME students. It is an event, discussion platform, network zone, and much more is aimed at broadening the horizons of biomedical engineering to bridge the gap between the academia and the industry.

With companies from far and near, teachers, students, mentors, and members of the Master program, the Biomedical Engineering Day 2010 is your opportunity to show, sell your latest results, and promote your research. The BME Day also includes a program of presentations, demonstrations, discussions, interactive, and open sessions.

The event is scheduled on Friday, 4th June 2010.

Medical Technology companies are welcome to present their work at exhibition booths and in podium

presentations, to be a part of this BME Day!

To promote young students who have decided to take BME as a profession, we are introducing the demo booths which will be shared by many young students.

If you are interested in registering as visitor, participant, presenter, or in renting a booth as part of BME Day 2010, you can do so now.

Please, use the registration forms that are attached. You also find these forms at www.bmeclub.ch and www.bioeng.master.unibe.ch!

After the event the BME Club members are kindly requested to stay for the annual general assembly.

Let this year's BME Day surprise and inspire you. Have a great time at the presentations, exhibitions, and much more!



PICTURE GALLERY



TWO MOTIVATING START UP STORIES

CAScination GmbH



Matthias Peterhans und Prof. Stefan Weber in the Inselspital OR

Congratulations to Matthias Peterhans and Prof. Stefan Weber from the ARTORG Center for Computer Assisted Surgery of the University of Bern. They have passed the first stage of the Venture Kick competition with their startup company CAScination GmbH, a collaborative effort of the Institute of Surgical Technologies and Biomechanics and the ARTORG Center. The team was awarded a CHF 10'000 grant for the development and marketing of their navigation system for soft tissue surgery. Matthias and Stefan are both members of the BME Alumni Club. One reason is the excellent business and academic network that is available for members of the club.

Another reason is the access to "fresh engineering blood". They are always looking for new students interested in touching the frontiers of science and technology. Offering student jobs, thesis works and internships dedicated to challenging clinical application areas is a valuable opportunity for everyone interested in the combination of medicine and technology. Just in case you are interested, let them know by stopping by at ARTORG@Stauffacher78. They always have time for a coffee and a demo to discuss your personal involvement in their research activities.

Crisalix S.A.R.L

Crisalix is a start-up company devoted to providing cosmetic surgeons with an easy-to-use Web-based complete solution for Patient Management and 3D Virtual Simulation. The vision of Crisalix is to become the world leader in software for plastic surgeons.

The company was founded in September 2007 as a spin-off of the Institute for Surgical Technology and Biomechanics (ISTB), lead by Prof. Dr. Lutz-Peter Nolte. In 2008, Crisalix and the Medical Image Analysis group of the ISTB were granted a KTI project, allowing developing and technological transfer of state of the art methodologies in soft tissue reconstruction and simulation. At this point in time the founders of the company realized the benefits of an

Internet-based business strategy. By adopting our Web solution, plastic surgeons will have access to a complete set of management tools. In addition, Crisalix will provide surgeons with the first 3-D visualization and patient-based physical modeling tool, with which the surgeon will be able to simulate results preoperatively. The product will be extended in the future to use in a wide range of cosmetic procedures and reconstructive surgery.

Last November 14, and during the 46th Brazilian society of plastic

surgery, Crisalix launched the alpha version of the first product. With Crisalix gathering more than 950 surgeons subscriptions at the end of the 4-days conference, the interest of the audience clearly shows interest for the ideas developed in Crisalix.



Crisalix had the opportunity to meet Doctor Ivo Pitanguy in Sao Paulo, a pioneer of the modern plastic surgery.

In the future Crisalix intends to continue its development in breast surgery, possibly through EU projects developed in conjunction with the ISTB, to make contributions in reconstructive plastic surgery. The company is glad to open its door to member of the BME club who would like to know more about the company and possibilities of participating in this exciting domain.

BIOMED NEWS

BME Club 2009

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[Recipient]

Biomedical Engineering Club Members
