

The 10th
MedViz Conference and The 6th Eurographics Workshop on
**Visual Computing
for Biology and Medicine**



Eurographics

EUROPEAN ASSOCIATION FOR COMPUTER GRAPHICS

Sept. 7-9, 2016, Bergen, Norway

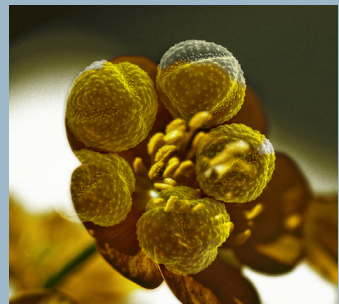
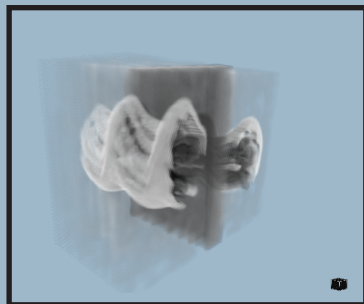
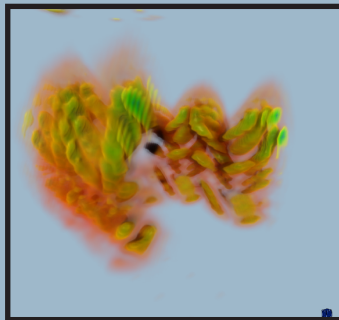
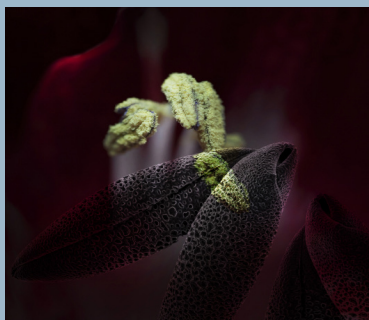


FROM VISION TO DECISION

MedViz & VCBM Conference 2016

Bergen, Sept. 7-9; Bikuben Conference Center at Haukeland Campus

<http://medvizvcbm.uib.no/>



HELSE BERGEN
Haukeland University Hospital




Dear friends!

We hereby invite you to participate in the annual MedViz Conference and the Eurographics Workshop on Visual Computing for Biology and Medicine (EG CBM), together forming a joint, interdisciplinary meeting of experts from technology, medicine, biology and related fields in September 2016. Please, see the tentative program on the following pages.

MedViz has one impressive decade of exciting experiences from annually assembling more than 150 technologists and physicians from Norway and from abroad for the MedViz Conference in Bergen. During Sept. 7-9, 2016, the MedViz Conference comes together with the 6th edition of the Eurographics Workshop on Visual Computing for Biology and Medicine (VCBM). VCBM was first organized in 2008 in Delft, The Netherlands, then becoming a successful series of events, happening again in 2010 in Leipzig, Germany, then in 2012 in Norrköping, Sweden, and then in 2014 in Vienna, Austria. Due to its increased success, VCBM was then improved into an annual event—organized in 2015 in Chester, UK, before then coming to Bergen, Norway this year.

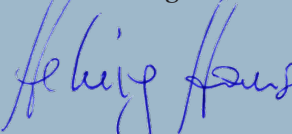


Prof. Odd Helge Gilja


(Haukeland Univ. Hospital)
General Chair, MedViz




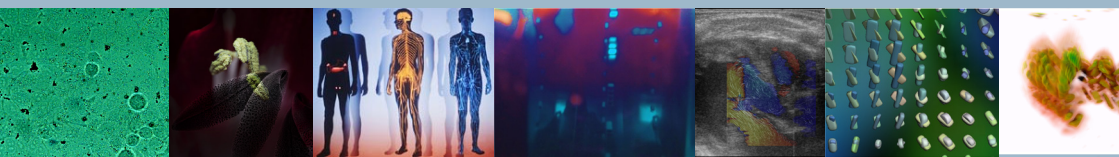
Prof. Helwig Hauser


(University of Bergen)
General Chair, VCBM



Prof. Ragnar Nortvedt


(MedViz)
Joint Organizing Chair





Wednesday September 7

1300 – 1345	Lunch
1345 – 1400	Welcome address: Director for Medical Visualization Centre, Haukeland University Hospital, Bergen

Tentative Program

Session I: Visualization

Chairs: Helwig Hauser & Odd Helge Gilja (Storstuen)

1400 – 1445	Hans-Christian Hege, Zuse Institute, Berlin, Germany: Visual Computing for Connectomics - Achievements and Challenges
1445 – 1530	Panel discussion: Future topics in Medical Visualization
1530 – 1600	Coffee break and Posters

Two parallel Sessions II:

MR modality

Chairs: Ingfrid Haldorsen & Jarle Rørvik (Storstuen)

1600 – 1630	Tijl van der Velden, UMC, Utrecht, The Netherlands: Advanced MR diffusion and metabolic models characterizing tumors
1630 – 1700	Oral presentations
1710 – 1730	Atle Bjørnerud, University of Oslo, Norway: MR perfusion for tumor characterization

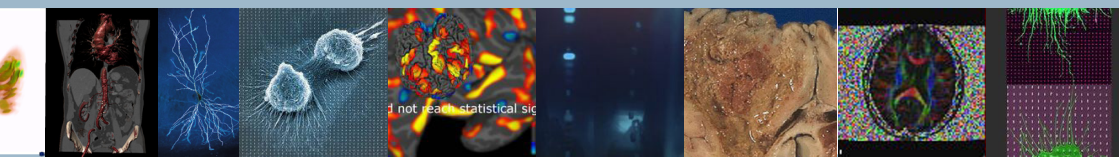
VCBM

1600 – 1730	Full Paper presentations (Auditorium)
1730 – 1800	Coffee break and Posters

Session III: Short papers

Chairs: Stefan Bruckner & Ragnar Nortvedt

1800 – 1900	Short Paper presentations(Storstuen)
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Thursday September 8

Session IV: Translational imaging

Chairs: Martin Biermann & Lars R. Reisæter (Storstuen)

- 0900 – 0920 Andreas J. Tulipan, Dept. of Radiology and Nuclear Medicine,
Oslo University Hospital: Diagnosing prostate cancer with PET
- 0920 – 1000 Oral presentations
- 1000 – 1030 Prof. Samer Ezziddin, Department of Nuclear Medicine, Saarland
University Hospital, Bad Homburg, Germany:
Radiopeptide treatment for Prostate cancer
- 1030 – 1100 Coffee break and Posters

Two parallel Sessions V:

Ultrasound

Chairs: Odd Helge Gilja & Roald Flesland Havre (Storstuen)

- 1100 – 1130 Prof. Paul Sidhu, London, UK: Clinical Applications of Elastography:
My Experience
- 1130 – 1240 Full Paper presentations
- 1240 – 1300 Prof Bjørn Angelsen, NTNU, Trondheim:
SURF elastography for improved ultrasound

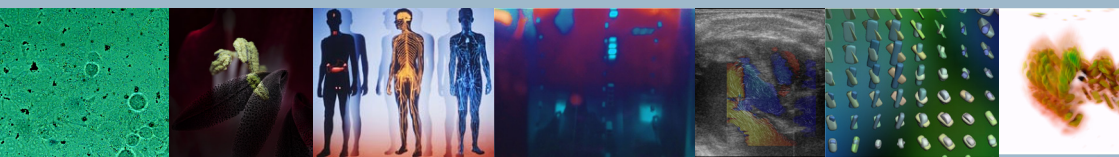
VCBM

- 1100 – 1300 Full Paper presentations' (Auditorium)
- 1300 – 1400 Lunch

Session VI: Speed Poster

Chairs: Veronika Šoltészová & Judit Haász (Storstuen)

- 1400 – 1530 Oral speed presentations
- 1530 – 1600 Coffee break and Posters





Thursday September 8

Two parallel Sessions VII:

PET/MR

Chairs: Renate Grüner & Thomas Schwarzmüller (Storstuen)

1600 – 1630 Assoc. Prof. Dr. Bernhard Sattler, University Hospital Leipzig, Germany:
PET/MR - Technology and performance, challenges and applications

1630 – 1650 Oral presentations

1650 – 1710 Prof. Hans-René Bjørsvik and Assoc. Prof. Tom Christian Holm Adamsen,
Dept. of Chemistry, UiB:
PET tracer development in a Horizon2020 project

1710 – 1730 Assoc. Prof. Live Eikenes, NTNU, Trondheim:
Experiences with PET/MR in Norway

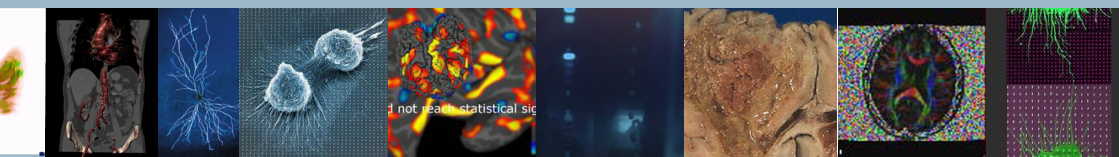
VCBM

1600 – 1730 Full Paper presentations (Auditorium)

Session VIII: Poster

1730 – 1830 Posters in the poster area (K1)

1930 – 2200 Conference Dinner





Friday September 9

Two parallel Sessions IX:

Perfusion Imaging

Chairs: Torfinn Taxt & Erlend Hodneland (Storstuen)

- 0900 – 0930 Dr. Radovan Jirik:
Recent Advances in MRI and Ultrasound Perfusion Imaging
- 0930 – 0950 Oral presentations
- 0950 – 1010 Kim Nylund, Haukeland University Hospital, Bergen:
Ultrasound imaging of perfusion
- 1010 – 1030 Assoc. Prof. José Manuel Prats Montalbán, Universidad Politécnica de Valencia, Spain: Multivariate image analysis for multiparametric phenotyping and prognosis in cancer

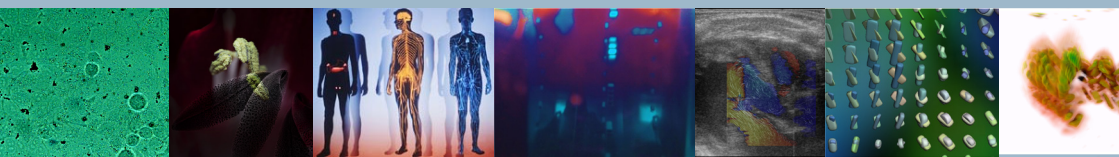
VCBM

- 0900 – 1030 Full Paper presentations (Auditorium)
- 1030 – 1100 Coffee break and Posters

Session X: Computational Imaging

Chairs: Arvid Lundervold & Antonella Zanna Munthe-Kaas (Storstuen)

- 1100 – 1130 Prof. Carola-Bibiane Schonlieb, Department of Applied Mathematics and Theoretical Physics, University of Cambridge, UK:
Seeing more in images - a mathematical perspective
- 1130 – 1220 Oral presentations
- 1220 – 1240 Prof. Kent-Andre Mardal, Department of Mathematics, University of Oslo:
Brain & Water - computational modelling of the aging brain
- 1240 – 1300 Awards for the best PhD Poster, PhD oral presentation and for Image Contest.
Concluding remarks by Ragnar Nortvedt, MedViz, Bergen
- 1300 – 1400 Lunch





Organising Secretariat

The organising secretariat is available to provide information regarding hotels and bookings, and other questions. Please contact:

Elin Myhrvold Riple, Phone +47 55972954 or e-mail elin.riple@uib.no

Ragnar Nortvedt, Phone +47 55970529 or e-mail ragnar.nortvedt@helse-bergen.no

Helwig Hauser, Phone +47 55584380 or e-mail helwig.hauser@uib.no

Registration

<https://reg.app.uib.no/medvizVCBM>

Important dates

Full paper submission deadline for VCBM 2016: June 19, 2016

Full paper notification date for VCBM 2016: July 22, 2016

Camera-ready copy deadline for VCBM 2016: August 14, 2016

Poster abstracts submission deadline for VCBM and MedViz: August 7, 2016

Poster notification date for VCBM and MedViz: August 22, 2016

Registration Fee

Event	Participant category	Early bird Reg. (-->Aug. 22) NOK	Later Registration (Aug. 22-->) NOK
MedViz & VCBM	regular	2500	3000
VCBM	EG member	2000	2400
MedViz & VCBM	student	1250	1500
VCBM	EG member, student	1000	1200
MedViz	one day	1250	1500
MedViz	one day, student	625	750

Meeting Venue Bikuben Conference Center

The congress venue is located at Haukeland University Hospital Campus

<http://www.helse-bergen.no/no/PaaSjukehuset/Sider/Bikuben.aspx>

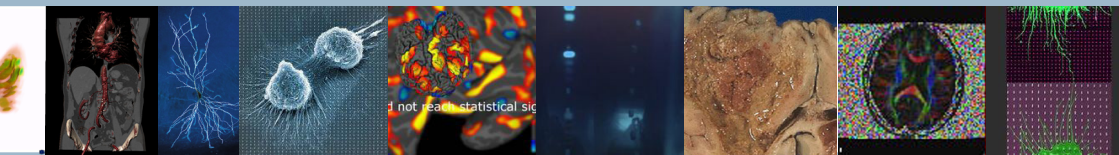
Accommodation Hotel Scandic Byparken

<https://www.scandichotels.no/hotell/norge/bergen/scandic-byparken>

Please contact the hotel Phone. +47 55362905 or byparken@scandichotels.com

Ref. no. for registration BUNI090916. The rooms will be reserved according to the first come - first served principle.

Please visit <http://medvizvcbm.uib.no/> for up-to-date information!





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