

**Invitation to MI-Lab seminar:  
Cardiac imaging and LV mechanics  
10<sup>th</sup> November 2009**

**Radisson SAS Royal Garden Hotel, Trondheim, Norway**

On behalf of MI lab, it is a great pleasure to invite you to this one-day seminar, addressing both technologists and medical professionals with an interest in cardiac imaging and mechanics. In the spirit of MI lab, the list of speakers is both international and inter-disciplinary.

Programme committee:

Svein Arne Aase, Brage H. Amundsen, Jan D'hooge, Asbjørn Støylen and Hans Torp

<b>08.30 – 08.50</b>	<b>Registration</b> Coffee/Tea
<b>08.50 – 09.00</b>	<b>Welcome</b> Prof. Hans Torp
<b>09.00 – 09.30</b>	Prof. Bjørn Skallerud, Head of Biomechanics Division, Dept. of Structural Engineering: <i>Biomechanical models of the left ventricle: how do they work?</i>
<b>09.30 – 10.00</b>	Research scientist Espen Remme, Institute for Surgical Research, Rikshospitalet University Hospital: <i>The use of biomechanical models to better understand the LV mechanics in-vivo</i>
<b>10.00 – 10.30</b>	Research scientist Piet Claus, Cardiovascular Imaging and Dynamics, Katholieke Universiteit Leuven: <i>The use of biomechanical models to estimate wall stress: how could it be done and why might it be useful?</i>
<b>10.30 – 10.45</b>	<b>Refreshment break</b> (fruit, coffee/tea)
<b>10.45 – 11.15</b>	Stein Inge Rabben (GE): <i>State-of-the-art cardiac imaging and analysis</i>
<b>11.15 – 12.15</b>	<b>Speed updates: What's new in MI lab-projects?</b> (3 from Leuven, 3 from Trondheim, 1 from Oslo)
<b>12.15 – 13.15</b>	<b>Lunch (at the hotel)</b>
<b>13.15 – 13.45</b>	Prof. Frank Rademakers, Cardiovascular Imaging and Dynamics, Katholieke Universiteit Leuven: <i>Left ventricular mechanics: what do we know from the animal lab?</i>
<b>13.45 – 14.15</b>	Research scientist Jan D'hooge, Cardiovascular Imaging and Dynamics, Katholieke Universiteit Leuven: <i>Can ultrasound Integrated Backscatter help in understanding LV mechanics?</i>
<b>14.15 – 14.30</b>	<b>Refreshment break</b> - cake, coffee/tea
<b>14.30 – 15.00</b>	Post.doc Brage H. Amundsen, Dept. Circulation and Medical Imaging/MI lab: <i>State-of-the-art MRI methods to quantify LV mechanics in-vivo</i>
<b>15.00 – 15.30</b>	Ass. Professor Asbjørn Støylen, Dept. Circulation and Medical Imaging: <i>Ultrasound methodologies to quantify LV mechanics in-vivo</i>
<b>Registration</b>	For registration, please go to the MI lab web site <a href="http://www.ntnu.no/milab">http://www.ntnu.no/milab</a> and find the online-registration link. Registration deadline: November 6th 2009.