

- 11:06–11:24
V 73 Optimal ECG lead systems to maximize left atrial information content
A. Loewe, S. Debatin, G. Lenis, O. Dössel (Karlsruhe)
- 11:24–11:42
V 74 Developing and coupling a lumped element model of the closed loop human vascular system to a model of cardiac mechanics
S. Schuler, L. Baron, A. Loewe, O. Dössel (Karlsruhe)
- 11:42–12:00
V 75 From clinics to the virtual beating heart – a general modeling workflow for patient-specific electromechanical heart simulations
L. Baron, A. Loewe, O. Dössel (Karlsruhe)
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- 10:30–12:00 **Session 20 • Hyperspektrale Bildgebung und optische Verfahren in der Medizin**
Raum Konferenz 3
Vorsitz W. Nahm (Karlsruhe), T. Wittenberg (Erlangen)
- 10:30–10:42
FS 21 Measurement of moisture at skin surface based on hyperspectral technology
M. Maktabi, C. Chalopin, P. Wahl, T. Neumuth (Leipzig)
- 10:42–10:54
FS 22 Workflow for intraoperative hyperspectral imaging in neurosurgery
R. Mühle, M. Oelschlägel, S. B. Sobottka, M. Kirsch, G. Schackert U. Morgenstern (Dresden)
- 10:54–11:06
FS 23 State-of-the-art hyperspectral imaging in astronomy with 90,000 pixels and 4,000 spectres – the MUSE-Instrument – a transfer towards minimal-invasive optical cancer diagnostic
M. M. Roth (Potsdam)
- 11:06–11:18
FS 24 Fiber probe Raman spectroscopy for intraoperative assessment of tissue
C. Krafft (Jena)
- 11:18–11:30
FS 25 Monitoring hemodynamics and oxygenation in the renal cortex of rats by a combined near-infrared spectroscopy and invasive probe approach
D. Grosenick, T. Gladytz, H. Wabnitz, R. Macdonald, A. Pohlmann T. Niendorf, K. Cantow, B. Flemming, E. Seeliger (Berlin)
- 11:30–11:42
FS 26 Video magnification for intraoperative assessment of vascular function
A. Naber, W. Nahm (Karlsruhe)