



## Spring meeting 2022

### Dutch Society of Medical Ultrasound

**Date:** October 5, 2022  
**Time:** 12.00 – 17.30 hours  
**Location:** University of Twente, TechMed Center Auditorium TL-1133  
The TechMed Center is located in the Technohal (TL) building 18  
<https://www.utwente.nl/download/campusmap.pdf>

- 10.00 – 12.00** NVMU Board meeting (Board members only, TechMed Center TL-2389)
- 12.00 – 13.00** Lunch (TechMed Center Auditorium TL-1133)
- 13.00 – 13.05** Michel Versluis (UT, POF group)  
“Opening”
- 13.05 – 13.10** Chris de Korte (Radboudumc, MUSIC)  
“Update from the board”
- 13.10 – 13.40** Jelmer Wolterink (UT, MIA group)  
“AI-driven vascular image analysis for precision medicine”
- 13.40 – 14.00** Nathan Blanken (UT, POF group)  
“Deep learning and physically realistic simulation for super-resolution ultrasound imaging”
- 14.00 – 14.20** Hadi Mirgolbabaee (UT, M3i group)  
“Possible relation between Anaconda endograft and unfavorable limbs’ hemodynamics after EVAR, an in-vitro echoPIV study”
- 14.20 – 14.40** Charlotte Nawijn (UT, POF group)  
“Characterization of protein-and-nanoparticle-stabilized microbubbles for controlled ultrasound-triggered drug release”
- 14.40 – 15.00** Coffee break
- 15.00 – 15.20** Yichuang Han (ErasmusMC)  
“Improving EchoPIV accuracy in high velocity gradient flows with dynamic anisotropic kernel windows”
- 15.20 – 15.40** Joosje de Bakker (Radboudumc, MUSIC)  
“Blood velocity vector imaging in the carotid artery using cascaded dual-polarity waves”
- 15.40 – 16.00** Vera van Hal (TUE, PULS/e Lab)  
“Multi-perspective ultrasound imaging and elastography of the abdominal aorta”
- 16.00 – 16.20** Sander Spiekhout (ErasmusMC)  
“Acoustic sizing method of vibrating single microbubbles using phase demodulation”
- 16.20 – 16.40** Camilo Cano Barrera (TUE, PULS/e Lab)  
“Blind spectral unmixing of multispectral photoacoustic imaging for the assessment of vulnerability in plaques”
- 16.40 – 17.30** Tour of the TechMed Center hybrid OR, imaging and simulator facilities and drinks