

Stanford



Sulaiman Vesal

Research and Development Scientist and Engineer, Urology - Divisions

Bio

CURRENT ROLE AT STANFORD

Research and Development Scientist at Engineer at Urologic Cancer Innovation Lab, Urology Department.

HONORS AND AWARDS

- Second Place in the Multi-sequence Cardiac MR Segmentation Challenge (MS-CMRSeg), MICCAI-STACOM (2019)
- Second Place in the Atrial Segmentation Challenge, MICCAI-STACOM (2018)
- Graduate School Scholarship Programme (GSSP) Recipient, German Academic Exchange Service (DAAD) (2016)
- SAARC India Silver Jubilee Scholarships Recipient, SARRC (2011)

EDUCATION AND CERTIFICATIONS

- PhD, Friedrich-Alexander-Universität Erlangen-Nürnberg , Medical Engineering (Pending) (2021)
- M.Sc., South Asian University , Computer Science (2013)
- B.Sc., Kabul University , Computer Science (2010)

Professional

WORK EXPERIENCE

- Data Scientist - University of California San Francisco (UCSF) (8/1/2020 - 2/28/2021)

Publications

PUBLICATIONS

- **A global benchmark of algorithms for segmenting the left atrium from late gadolinium-enhanced cardiac magnetic resonance imaging.** *Medical image analysis*
Xiong, Z. n., Xia, Q. n., Hu, Z. n., Huang, N. n., Bian, C. n., Zheng, Y. n., Vesal, S. n., Ravikumar, N. n., Maier, A. n., Yang, X. n., Heng, P. A., Ni, D. n., Li, et al
2021; 67: 101832
- **Adapt Everywhere: Unsupervised Adaptation of Point-Clouds and Entropy Minimisation for Multi-modal Cardiac Image Segmentation.** *IEEE transactions on medical imaging*
Vesal, S. n., Gu, M. n., Kosti, R. n., Maier, A. n., Ravikumar, N. n.
2021; PP
- **Fully Automated 3D Cardiac MRI Localisation and Segmentation Using Deep Neural Networks** *JOURNAL OF IMAGING*
Vesal, S., Maier, A., Ravikumar, N.
2020; 6 (7)

- **Spatio-temporal Multi-task Learning for Cardiac MRI Left Ventricle Quantification.** *IEEE journal of biomedical and health informatics*
Vesal, S. n., Gu, M. n., Maier, A. n., Ravikumar, N. n.
2020; PP
- **Implementation of machine learning into clinical breast MRI: Potential for objective and accurate decision-making in suspicious breast masses.** *PloS one*
Ellmann, S. n., Wenkel, E. n., Dietzel, M. n., Bielowski, C. n., Vesal, S. n., Maier, A. n., Hammon, M. n., Janka, R. n., Fasching, P. A., Beckmann, M. W., Schulz
Wendtland, R. n., Uder, M. n., Bäuerle, et al
2020; 15 (1): e0228446
- **Classification of Breast Cancer Histology Images Using Transfer Learning**
Vesal, S., Ravikumar, N., Davari, A., Ellmann, S., Maier, A., Campilho, A., Karray, F., Romeny, B. T.
SPRINGER INTERNATIONAL PUBLISHING AG.2018: 812–19
- **A Multi-task Framework for Skin Lesion Detection and Segmentation**
Vesal, S., Patil, S., Ravikumar, N., Maier, A. K., Stoyanov, D., Taylor, Z., Sarikaya, D., McLeod, J., Ballester, M. A., Codella, N. C., Martel, A., Maier-Hein, L.,
Malpani, et al
SPRINGER INTERNATIONAL PUBLISHING AG.2018: 285–93