Stanford



Stefania L. Moroianu

Ph.D. Student in Applied Physics, admitted Autumn 2018

Bio

EDUCATION AND CERTIFICATIONS

- Master of Science, University of Cambridge , Physics (2018)
- Bachelor of Arts, University of Cambridge , Natural Sciences (2018)

LINKS

- LinkedIn: https://www.linkedin.com/in/stefania-l-moroianu-6749b7151/

Publications

PUBLICATIONS

- **The Risks and Benefits of Synthetic Medical Images.** *Radiology*
  Langlotz, C. P., Chaudhari, A., Moroianu, S., Bluethgen, C.
  2026; 320 (1): e261027
- **Improving Performance, Robustness, and Fairness of Radiographic AI Models with Finely-Controllable Synthetic Data.** *Research square*
  Moroianu, S. L., Bluethgen, C., Chambon, P., Cherti, M., Delbrouck, J. B., Paschali, M., Price, B., Gichoya, J., Jitsev, J., Langlotz, C. P., Chaudhari, A. S.
  2025
- **Artificial intelligence and radiologists in prostate cancer detection on MRI (PI-CAI): an international, paired, non-inferiority, confirmatory study.** *The Lancet. Oncology*
  Saha, A., Bosma, J. S., Twilt, J. J., van Ginneken, B., Bjartell, A., Padhani, A. R., Bonekamp, D., Villeirs, G., Salomon, G., Giannarini, G., Kalpathy-Cramer, J., Barentsz, J., Maier-Hein, et al
  2024
- **Computational Detection of Extraprostatic Extension of Prostate Cancer on Multiparametric MRI Using Deep Learning.** *Cancers*
  Moroianu, S. L., Bhattacharya, I., Seetharaman, A., Shao, W., Kunder, C. A., Sharma, A., Ghanouni, P., Fan, R. E., Sonn, G. A., Rusu, M.
  2022; 14 (12)
- **The acoustic resonant drag instability with a spectrum of grain sizes** *MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY*
  Squire, J., Moroianu, S., Hopkins, P. F.
  2022; 510 (1): 110-130
- **Intensity Normalization of Prostate MRIs using Conditional Generative Adversarial Networks for Cancer Detection**
  DeSilvio, T., Moroianu, S., Bhattacharya, I., Seetharaman, A., Sonn, G., Rusu, M.
  edited by Mazurowski, M. A., Drukker, K.
  SPIE-INT SOC OPTICAL ENGINEERING.2021
- **Detecting Invasive Breast Carcinoma on Dynamic Contrast-Enhanced MRI**
  Moroianu, S. L., Rusu, M.

edited by Mazurowski, M. A., Drukker, K.
SPIE-INT SOC OPTICAL ENGINEERING.2021