

Stanford



Sarah Divel

Ph.D. Student in Electrical Engineering, admitted Autumn 2014

Bio

HONORS AND AWARDS

- Bio-X Bowes Fellow, Stanford Bio-X (2016-present)
- Trainee, Stanford Training in Biomedical Imaging Instrumentation (TBI2) (2015-2016)

EDUCATION AND CERTIFICATIONS

- Master of Science, Stanford University , Electrical Engineering (2016)
- Bachelor of Science, University of Notre Dame , Electrical Engineering (2014)

STANFORD ADVISORS

- Norbert Pelc, Doctoral Dissertation Advisor (AC)

SERVICE, VOLUNTEER, AND COMMUNITY WORK

- President (2016 - 2018)

Publications

PUBLICATIONS

- **Development of a realistic, dynamic digital brain phantom for CT Perfusion validation** *SPIE Medical Imaging 2016: Physics of Medical Imaging*
Divel, S. E., Segars, W. P., Christensen, S., Wintermark, M., Lansberg, M. G., Pelc, N. J.
- **Method for decreasing CT simulation time of complex phantoms and systems through separation of material specific projection data** *SPIE Medical Imaging 2017: Physics of Medical Imaging*
Divel, S. E., Christensen, S., Wintermark, M., Lansberg, M. G., Pelc, N. J.
- **Can image-domain filtering of FBP CT reconstructions match low-contrast performance of iterative reconstructions?** *SPIE Medical Imaging 2018: Physics of Medical Imaging*
Divel, S. E., Hsieh, S. S., Wang, J., Pelc, N. J.
- **Image-domain insertion of spatially correlated, locally varying noise in CT images** *SPIE Medical Imaging 2019: Physics of Medical Imaging*
Divel, S. E., Pelc, N. J.
- **Use of Synthetic CT to reduce simulation time of complex phantoms and systems** *4th International Conference on Image Formation in X-Ray Computed Tomography*
Divel, S. E., Segars, W. P., Christensen, S., Wintermark, M., Pelc, N. J.