Tenure and Promotion Dossier Highlights

Dr. Matthew C. Stamm

Dept. of Electrical and Computer Engineering, Drexel University

Research

- Made significant contributions to the field of multimedia forensics - most recently for helping pioneer the use of deep learning techniques in image editing/forgery detection and source identification.
- Winner of the 2017 Drexel College of Engineering Outstanding Early Career Research Achievement Award.
- Authored or co-authored 50 published papers (12 journal, 38 conference) along with 2 journal papers that are currently under review and 6 journal papers with planned submission dates within 1-3 months.
- Publications cited 1505 times (h-index of 18).
- Developed forensic camera model identification software currently in use by at least six governmental agencies.

Funding

- Recipient of 5 externally funded research grants (4 as PI, 1 as Co-I) totaling $2,404,514.
- Winner of a 2016 NSF CAREER Award.
- Funded by several organziations including the National Science Foundation (NSF), Defense Advanced Projects Research Agency (DARPA), Army Research Office (ARO), the Defense Forensics and Biometrics Agency (DFBA), and the National Security Agency (NSA).

Teaching

- Developed three new courses: (1) ECES 301: Transform Methods & Filtering, (2) ECES 435: Recent Advances in DSP - Multimedia Signal Processing & Information Security, and (3) ECES T680: Forensic Signal Processing.
- Consistently received strong student evaluations; one student has sent an unsolicited letter to the Senior Vice Provost of Academic Affairs praising my teaching.
- Advisor of 5 Ph.D. students (one graduated), 1 incoming Ph.D. student, and 2 M.S. Students.

University and Departmental Service

- Served on 47 Ph.D. candidacy, Ph.D. thesis proposal, Ph.D. thesis defense, and M.S. thesis defense committees.
- Member of 5 different departmental and college level committees including the ECE Department Head Search Committee and the ECE Planning and Development Committee.
- Volunteer or speaker at several departmental events including open houses, Advisory Council meetings, and other outreach events.

External Service

- General Chair of the 2017 ACM Workshop on Information Hiding and Multimedia Security.
- Elected member of the IEEE Signal Processing Society's Information Forensics and Security Technical Committee.
- Lead Organizer of the 2018 IEEE Signal Processing Cup.
- Organized special sessions at two conferences (EUSIPCO 2018, SPIE EI 2015).
- Editorial Board Member of IEEE SigPort.
- Regularly serve as invited reviewer for several journals and TPC member for several major conferences.