

Dr. Sagar Samtani's List of Academic Opportunities (Tailored for Computational IS, CTI, and AI for Cybersecurity within a Business School)

Relevant Journals:

- **IS (MISQ, ISR, Mgmt Science, JMIS, JoC, DSS, TMIS, JAIS, EJIS, CAIS, ISJ, I&M, JBA, DS)**
 - **Note:** Primary method for evaluation: capital that is recognized to other institutions
- **CS (IEEE TKDE, ACM TOIS, IEEE IS, IEEE ToE, ACM ToE, IEEE TEM, IEEE Access, ACM TIST, ACM TKDD, IEEE TNNLS, IEEE PAMI, IP&M)**
 - **Note:** Great for NSF; Good education journals for CAREER; elite DM journals
- **Information Science (JASIST, Information Sciences)**
- **Security related (ACM TOPS, ACM DTRAP, IEEE TDSC, IEEE TIFS, Digital Investigations, Computers and Security, Future Generation Computer Systems, IEEE IoTJ, Journal of Defense and Simulation)**
 - **Note:** Great for NSF
- **Surveys (ACM Computing Surveys, IEEE Communications and Tutorials)**
 - **Note:** Use for literature review. Also use as dissemination outlet for larger lit reviews.
- **Magazines (IEEE Computer, IEEE Security & Privacy, IEEE IT Professional, CACM)**
 - **Note:** Research/program highlights
- **Societally relevant (Nature, Science, PNAS, PLoS One)**
 - **Note:** Societally relevant topics (diachronic linguistics on google corpus; CyVerse assessment)

Relevant Conferences:

- **IS (ICIS, AMCIS, HICCS, CIST, DESRIST, ECIS, PACIS, WITS, WISE, INFORMS, WDS, CSWIM)**
 - **Note:** Attend for networking purposes; monitor to see upcoming trends; submit only if providing a supporting role or for a workshop where I know. Not as good for NSF. Letter writers from WITS.
- **CS (NeurIPS, ICLR, ICDM (ADMIS, DL-CTI), ICML, WWW, ASONAM (ISI workshop), KDD (LEMINGS), VLDB, AAAI, ACL (text graphs), COMPSAC, MSR (for code repositories))**
 - **Note:** Use to find new methods, emerging trends. Use code, adapt for IS domain, bring back to IS. Each has its own focus: some are methods only (NIPS/ICLR/ICDM/VLDB/KDD) others are advanced methods+domain (ASONAM/WWW/AAAI). Monitor SIGs and sub-groups.
- **Security (Academic) (ISI, CAMLIS, IFIP, SKM, WEBEIS, Big 4: USENIX (ScAIInet), NDSS, IEEE Security & Privacy (DLS Workshop), ACM CCS (AISec workshop), IEEE VizSec)**
 - **Note:** Submit to these (1/3rd of journal paper). Big 4 great for NSF. Extend to journal quickly.
- **Scientific cyberinfrastructure: ACM PEARC, Quilt, Trusted CI**
- **Security (Practitioner) (DEFCON, BlackHat, RSA, Bsides, Cyber Florida, SANS, AI4, Virus Bulletin, Perch)**
 - **Note:** Good for finding emerging trends; good trainings; find “pain points” and real problems
- **Other (GraceHopper, WiCyS, Business Analytics Forum, Ostrom Workshop)**
 - **Note:** Broader impacts (URM)

Relevant Grant Opportunities:

- **NSF (Solo-PI):** CRII, CAREER (PECASE for US citizens)
 - **Note:** Highly prestigious and very rare for business school scholars.
- **NSF (Multi-PI/Million) Security Related:** TTP, CORE, EDU, CCRI, CICI, SFS, DEL, D-ISN, Conv. Accel.
- **NSF (Other):** EAGER, RAPID, REU → Non-competitive; coordinate with PMs; need to have strong, interesting idea with clear alignment with program's objectives; be professional, persistent, and personable.
- **University-specific:** VPR office specific to help through “dry spells”
 - **Note:** Different requirements –apply once for each; univ. support for selected initiatives (CTI Lab)
- **Young faculty:** Sloan, DARPA Young Faculty
- **Industry (selected):** Adobe, Google, Amazon/AWS, LinkedIn
 - **Note:** Need scope up front – scope can change quickly! Collab. Overhead not as good as NSF.
- **Private Funding:** identify recent retirees, significant alum, philanthropic billionaires, corporate relationships
 - Need to present vision with energy and focus; Funds can provide infrastructure; good for “rainy days”