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Publications

PUBLICATIONS

- **MagLens: Bringing Mobile, Fine-Grained Imaging to Ferrous Building Structures**
  Wang, J., Iravantchi, Y., Sample, A., Shin, K., Chen, D., Wang, M., Wang, X., ACM
  ASSOC COMPUTING MACHINERY.2026: 347-361
- **HandSAW: Wearable Hand-based Event Recognition via On-Body Surface Acoustic Waves** *PROCEEDINGS OF THE ACM ON INTERACTIVE MOBILE WEARABLE AND UBIQUITOUS TECHNOLOGIES-IMWUT*
  Yaxuan, K., Iravantchi, Y., Zhu, Y., Park, H., Sample, A. P.
  2025; 9 (1)
- **MagDesk: Interactive Tabletop Workspace Based on Passive Magnetic Tracking** *PROCEEDINGS OF THE ACM ON INTERACTIVE MOBILE WEARABLE AND UBIQUITOUS TECHNOLOGIES-IMWUT*
  Huang, K., Iravantchi, Y., Chen, D., Sample, A.
  2024; 8 (4)
- **T4Train: Rapid Prototyping of ML-Driven Interactive Applications**
  Iravantchi, Y., Sample, A. P., ASSOC COMPUTING MACHINERY
  ASSOC COMPUTING MACHINERY.2024
- **Privacy-Preserving Automatic Collection of Acoustic Voiding Events**
  Arjona, L., Iravantchi, Y., Sample, A., Alvarez, M. L., Bahillo, A., Canalon, E., IEEE
  IEEE.2023: 1-4
- **SAWSense: Using Surface AcousticWaves for Surface-bound Event Recognition**
  Iravantchi, Y., Zhao, Y., Kin, K., Sample, A. P., ACM
  ASSOC COMPUTING MACHINERY.2023
- **METRO: Magnetic Road Markings for All-weather, Smart Roads**
  Wang, J., Wang, S., Iravantchi, Y., Wang, M., Sample, A., Shin, K. G., Wang, X., Zhou, C., Chen, D., Assoc Computing Machinery
  ASSOC COMPUTING MACHINERY.2023: 280-293
- **BrushLens: Hardware Interaction Proxies for Accessible Touchscreen Interface Actuation**
  Iravantchi, Y., Krolikowski, T., Liang, C., Geng, R., Sample, A., Guo, A., ACM
  ASSOC COMPUTING MACHINERY.2023