Intelligent Fusion Technology, Inc.

Engineering & Technology for America's Warfighters

MORE INFORMATION
MORE ACCURACY

Areas of Expertise

RF spectrum monitoring & anomaly detection
Sensor data fusion & processing
SATCOM & SATNAV
Target tracking & pattern analysis
ML/AI & data analytics
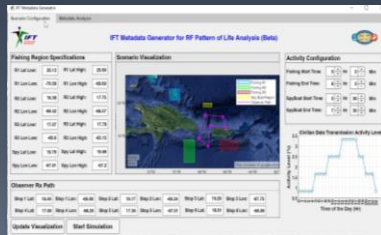Cybersecurity
Unmanned & autonomous system
Radar & mmWave
GUI and simulation platform

CTO Contact: Genshe Chen | Email: gchen@intfusiontech.com | Tel: (301) 515-7261

PoLICE

IFT's Pattern of Life Integrated Classification Engine (PoLICE) for RF Situational Awareness
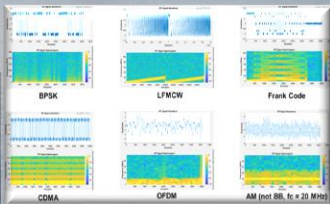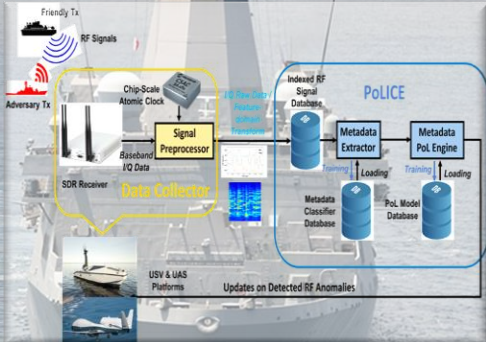

Intelligent Fusion Technology, Inc. has developed the PoLICE system to monitor the frequency bands of interest and perform a pattern analysis on intercepted RF signals. PoLICE can extract key metadata features from raw I/Q samples and perform pattern analysis on metadata records using state-of-the-art ML/AI algorithms. Thereby, establishing a pattern-of-life for "normal behavior/scenario" and detecting RF anomalies caused by a change in underlying scenario/activity.
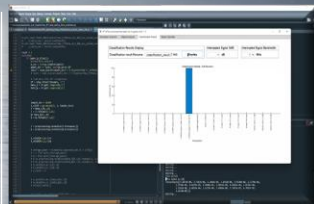
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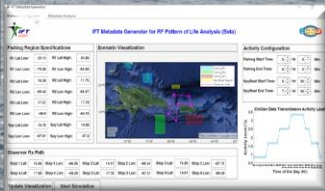Email: gchen@intfusiontech.com
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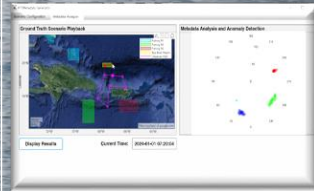

IFT RF I/Q Signal Simulator

IFT RF Modulation Classifier

IFT RF Metadata Generator

IFT Metadata Analyzer

PoLICE