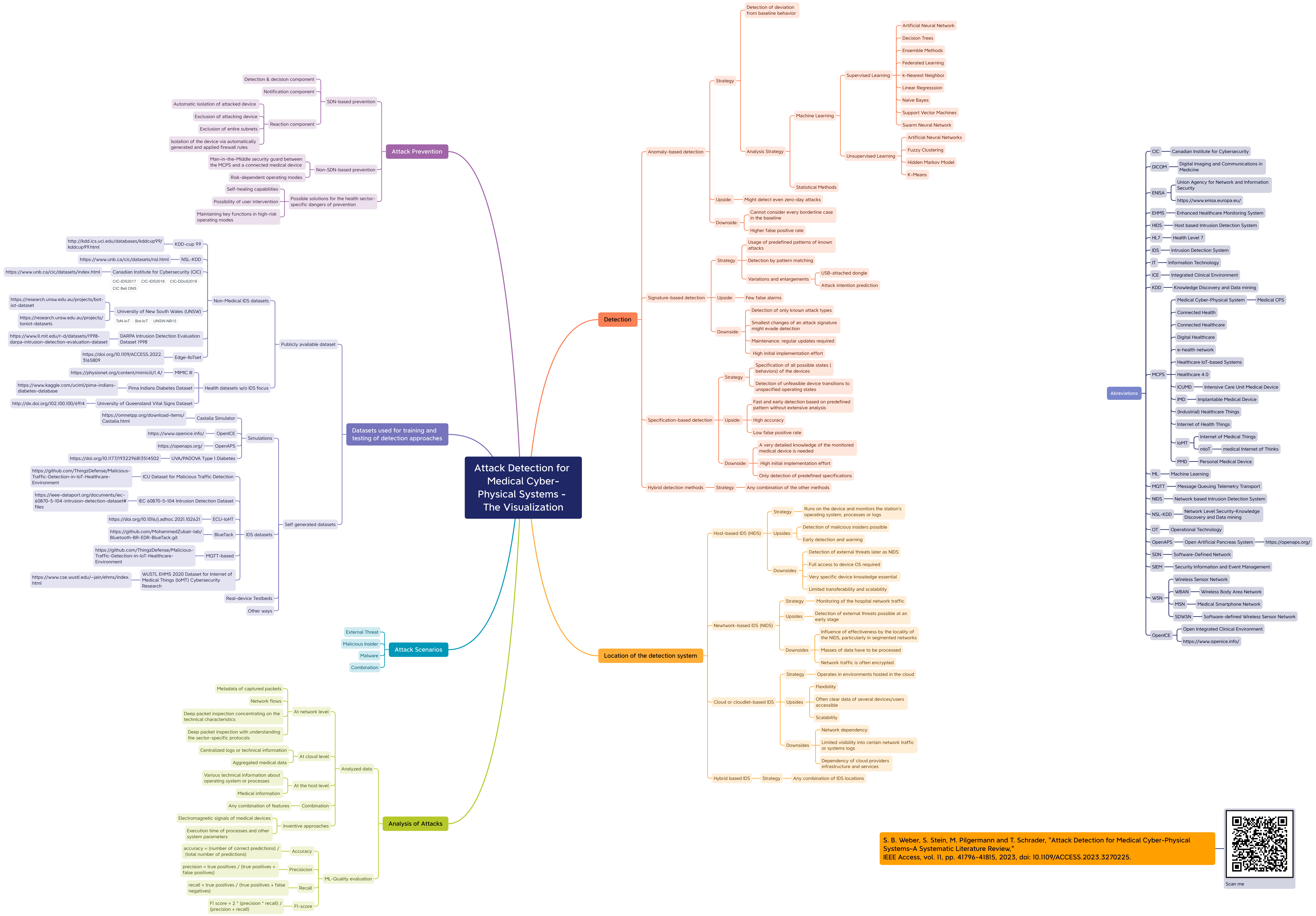


# Attack Detection for Medical Cyber-Physical Systems - The Visualization



S. B. Weber, S. Stein, M. Pilgermann and T. Schrader, "Attack Detection for Medical Cyber-Physical Systems--A Systematic Literature Review," IEEE Access, vol. 11, pp. 41796-41815, 2023, doi: 10.1109/ACCESS.2023.3270225.



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- ### Abbreviations
- CIC - Canadian Institute for Cybersecurity
  - DICOM - Digital Imaging and Communications in Medicine
  - ENISA - Union Agency for Network and Information Security  
<https://www.enisa.europa.eu/>
  - EHMS - Enhanced Healthcare Monitoring System
  - HIDS - Host based Intrusion Detection System
  - HL7 - Health Level 7
  - IDS - Intrusion Detection System
  - IT - Information Technology
  - ICE - Integrated Clinical Environment
  - KDD - Knowledge Discovery and Data mining
  - MCPS - Medical Cyber-Physical System - Medical CPS
    - Connected Health
    - Connected Healthcare
    - Digital Healthcare
    - e-health network
    - Healthcare IoT-based Systems
  - Healthcare 4.0
    - ICUMD - Intensive Care Unit Medical Device
    - IMD - Implantable Medical Device
    - (Industrial) Healthcare Things
    - Internet of Health Things
    - IoMT - Internet of Medical Things
      - mIoT - medical Internet of Things
    - PMD - Personal Medical Device
  - ML - Machine Learning
  - MQTT - Message Queuing Telemetry Transport
  - NIDS - Network based Intrusion Detection System
  - NSL-KDD - Network Level Security-Knowledge Discovery and Data mining
  - OT - Operational Technology
  - OpenAPS - Open Artificial Pancreas System - <https://openaps.org/>
  - SDN - Software-Defined Network
  - SIEM - Security Information and Event Management
    - Wireless Sensor Network
    - WBAN - Wireless Body Area Network
    - MSN - Medical Smartphone Network
    - SDWSN - Software-defined Wireless Sensor Network
  - WSN
  - OpenICE - Open Integrated Clinical Environment  
<https://www.openice.info/>