Diplomarbeit / Diploma Thesis
NFC System Test Automation using industrial Robot

Panthronics

- **Goal**: NFC System Test Automation / Continuous Integration

- **Content**:
  - NFC system Verification & Validation automation
    - V&V automation and test device abstraction
    - Integration of industrial robot (e.g. to change setup geometry for RF range sweep)
  - Safety concept to avoid hazards
  - V&V system automation software architecture, design and implementation
  - *Activities:*
    - *Familiarization with NFC and RF technology*
    - *Mixed Java and C development (JNI, TestNG)*
    - *Jenkins integration of NFC test bench*
    - *Logging and error tracing (reproducibility of tests)*
    - *Machine and laboratory measurement automation and safety*
    - *User interface development*
    - *Result visualisation*
  - Documentation

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