RECONFIGURABLE MEASUREMENT SYSTEMS BASED ON REAL TIME AND FPGA

Jan Saliga

• Challenges in modern measuring,data acquisition and control systems
• Real time systems
• Introduction to FPGA

• FPGA in measurement systems
• LabVIEW far real time and FPGA
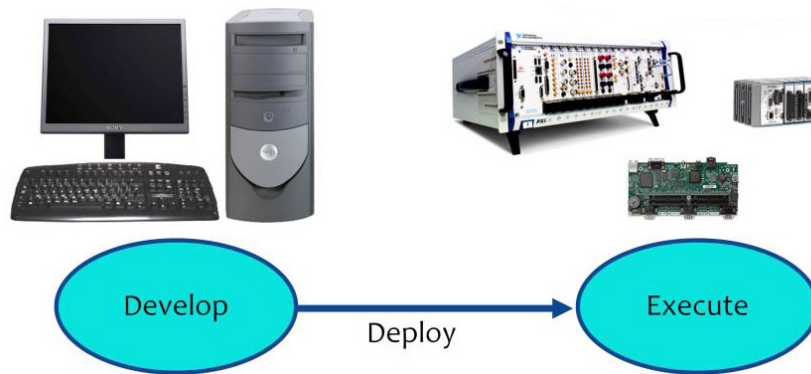• Introduction to exercises and projects

Figure 1 LabVIEW Real-Time System

SENSORS & TRANSDUCERS
MEASURING WATER QUALITY PARAMETERS

Helena Geirinhas Ramos

Water quality assessment
    • Monitoring

Measurements for water-quality monitoring
    • Physical
    • Chemical
    • Biological (bioassessment and biodiversity)

Water quality parameters
    • Temperature
    • Conductivity
    • pH
    • Dissolved oxygen
    • Turbidity
    • Heavy metals

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