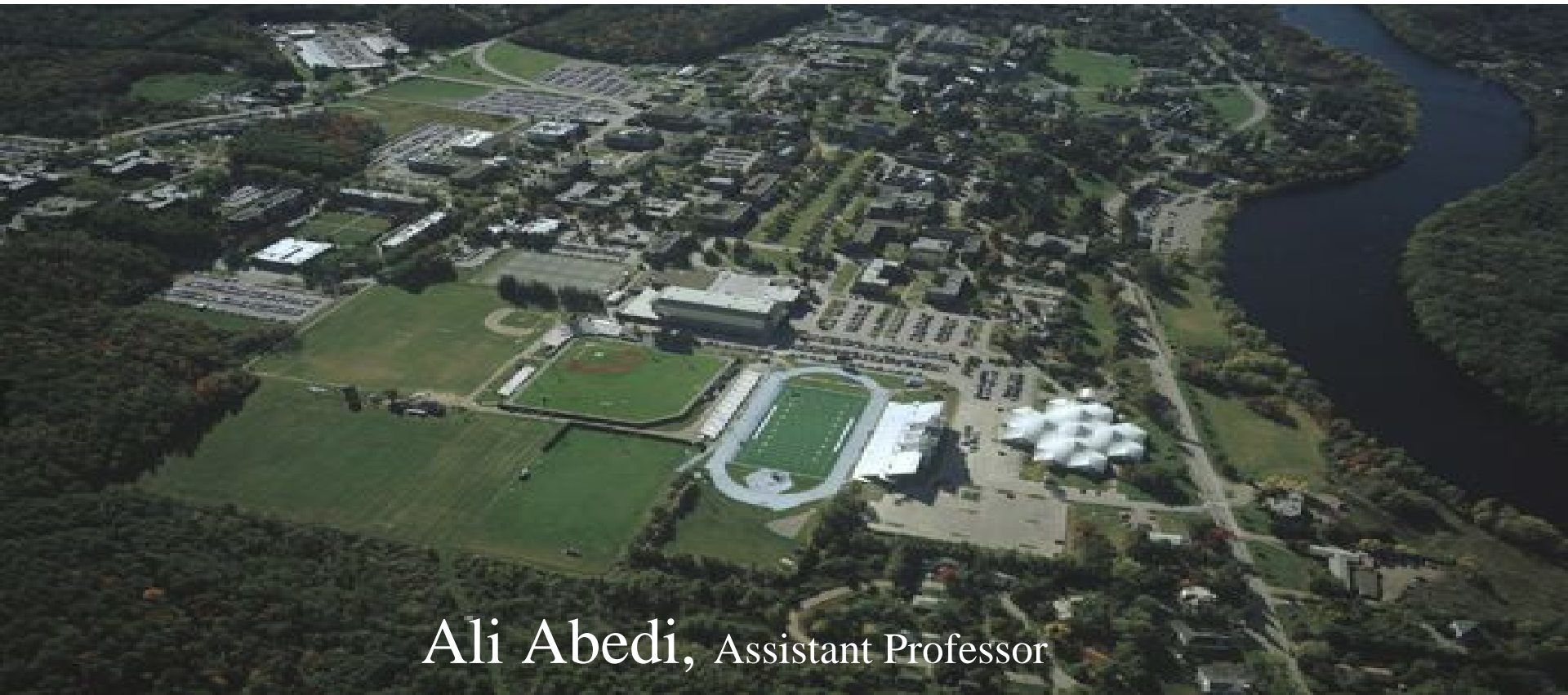# Wireless Sensor Networking: GENI Style

WISE-GENI

Ali Abedi, Assistant Professor

Director, WiSe-Net Lab
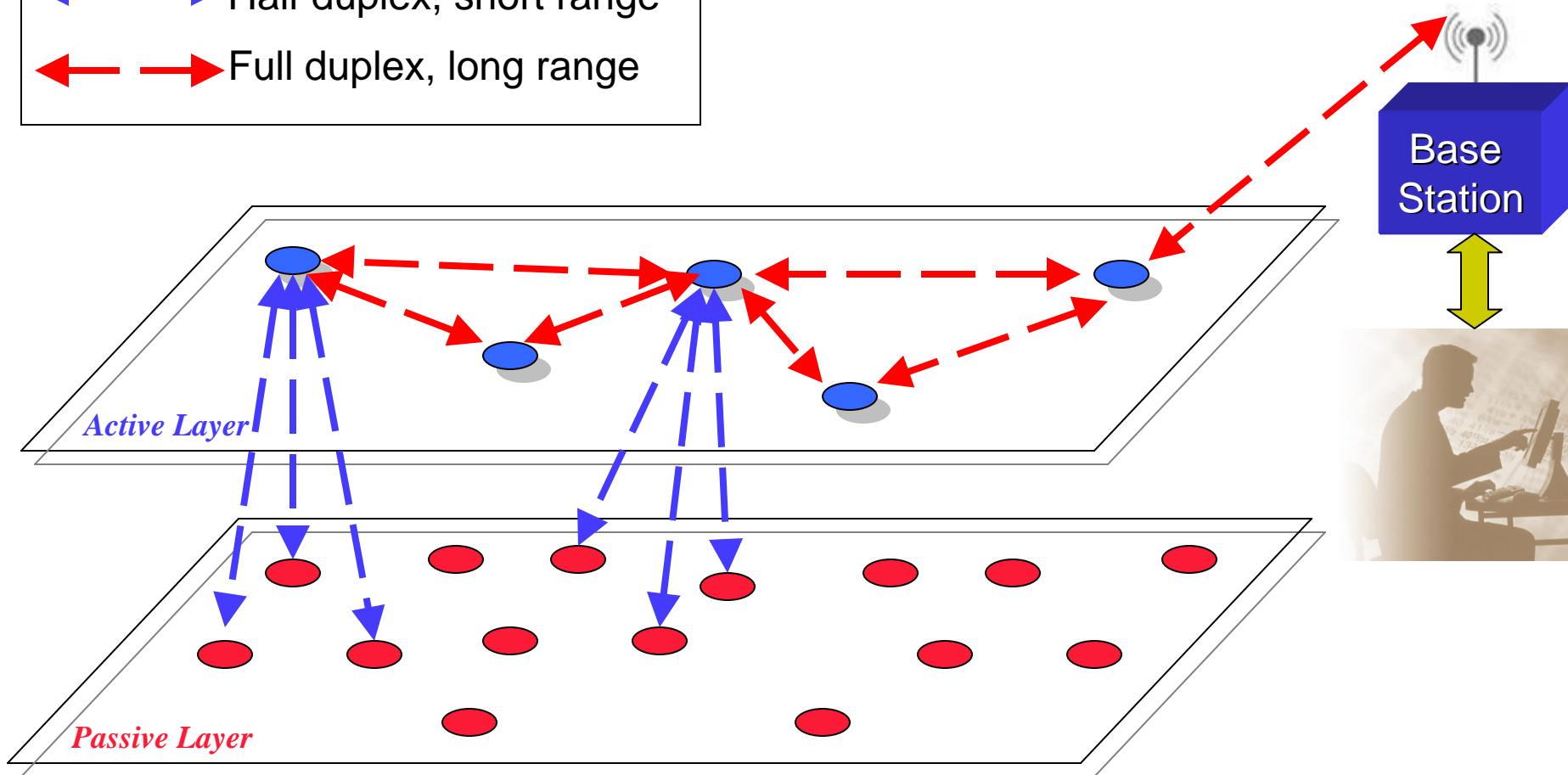
Electrical and Computer Engineering Department

1 8 6 5 THE UNIVERSITY OF MAINE

Wireless Hybrid Architecture with Two Tiers (WHATT)

Half duplex, short range

Full duplex, long range

Base Station

Active Layer

Passive Layer

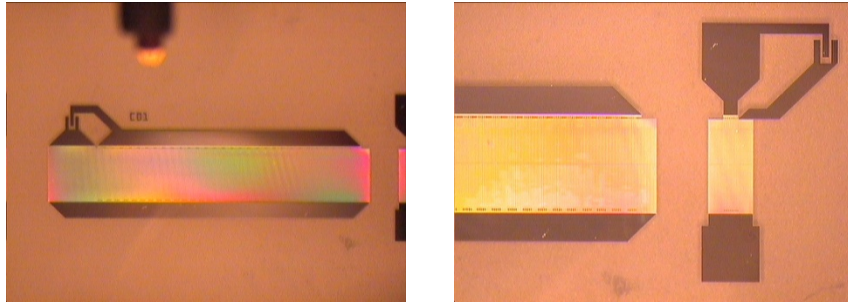**Electrical and Computer Engineering Department**

1 8 6 5 THE UNIVERSITY OF MAINE

Heterogeneous **O**rthogonal **W**ireless (**HOW**)

Passive nodes

Active nodes

THE UNIVERSITY OF
1865 MAINE

Roadmap **A**nd **F**uture Technologies (**RAFT**)
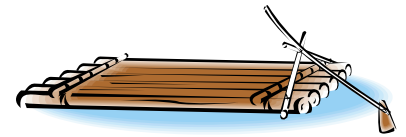
Devices fabricated at UMaine
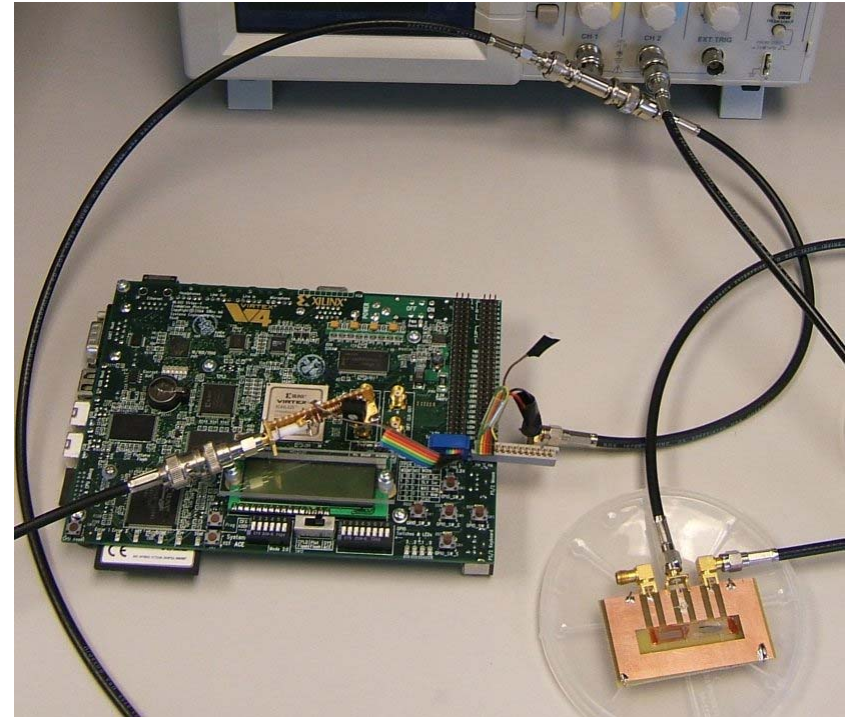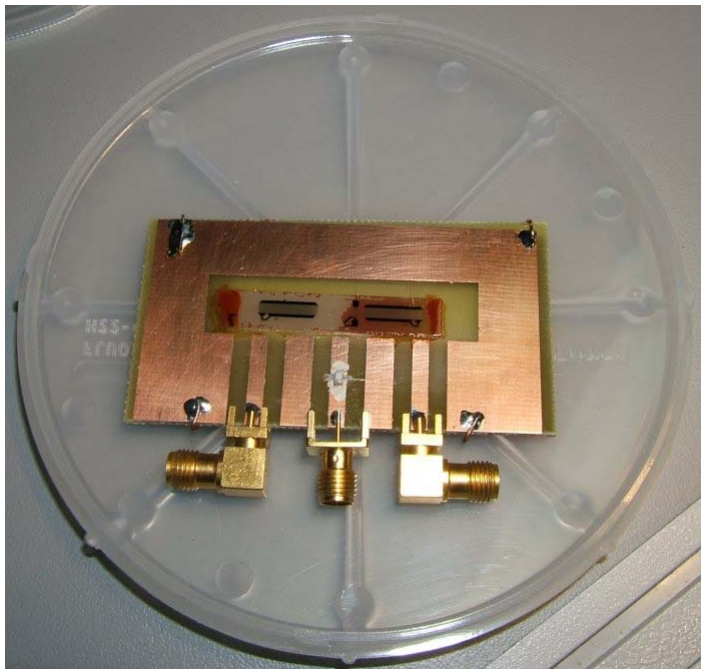
Test with programmable radio

THE UNIVERSITY OF
MAINE
1865