

15-821/18-843: Mobile and Pervasive Computing Fall 2009 Readings

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1. Background Reading for September 1, 2009

[BKG] [Weiser91, Satya96, Satya01]

2. Mobile Hardware

MH-1 [Narayanaswami02a, Choudhury08, McCaffrey08]

MH-2 [Smailagic02, Zieniewicz02, Want06]

MH-3 [Pears09, Shen07, Lee08]

3. Wireless Communication

WC-1 [Haartsen00, Ribeiro05, Lopes03]

WC-2 [Bhagwat96, Royer99, Heidemann01]

4. Ubiquitous Data Access

UDA-1 [Satya02, Flinn03, Tolia04]

UDA-2 [Lee02b, Muthitacharoen01, Tolia07]

UDA-3 [Satya07, Caceres05, Surie08]

5. Resource Scarcity

RS-1 [Noble97, Flinn99, Narayanan03]

RS-2 [Zhong05, Pillai01, Sorber05]

RS-3 [Martin99, Iyer03, Philipose05]

6. Sensing & Actuation

SA-1 [Gibbons03, Ravindranath08, Keller04]

SA-2 [Chebroly08, Gaonkar08, Paulos08]

SA-3 [Efstratiou07, Nemmaluri08, Stiefmeier08]

7. Location & Context Awareness

LCA-1 [Hightower01, Ward97, Mulloni09]

LCA-2 [Harle05, Lee02a, Raento05]

LCA-3 [Anhalt01, Davies01, Voids02]

8. Security & Privacy

- SP-1** [Corner03, Pering03, Kriplean07]
- SP-2** [Beresford03, Myles03, Gruteser03]
- SP-3** [Bahl06, Surie07, Gariss08]

9. Design Methodologies & Infrastructure

- DMI-1** [Gemperle98, Narayanaswami02b, Fishkin02]
- DMI-2** [Garlan02, Roman02, Grimm04]
- DMI-3** [Balan07, De06, Luo07]

10. End-to-End Application Considerations

- EAC-1** [Fleck02, Parikh05, Stanford03a]
- EAC-2** [Mosmondor05, Goose03, French08]
- EAC-3** [Hartung06, Hansen06, Storz06]

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