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Empirical Characterization of Human Mobility -- Session 1: Wireless Networks -- Mobility Versus Density Metric for OLSR Enhancement -- DAD-MPR Flooding Protocol, Convergence Evaluation Through Simulation -- A Prototyping Environment for Wireless Multihop Networks -- Efficient Selection of Multipoint Relays in Wireless Ad Hoc Networks with Realistic Physical Layer -- Invited Talk 2 -- Mobile Hotspots -- Session 2: Mobility Management -- Extending Home Agent Migration to Mobile IPv6 Based Protocols -- Experimental Evaluation of EAP Performance in Roaming Scenarios -- Session 3: Packet Transmission -- Unidirectional Lightweight Encapsulation with Header Compression for IP Based Satellite Communication over DVB-S -- Analysis of FEC Function for Real-Time DV Streaming -- Invited Talk 3 -- Ubiquitous Devices, Mobility and Context Awareness -- Session 4: Applications and Services -- Improving the Load Balancing Performance of Reliable Server Pooling in Heterogeneous Capacity Environments -- WOD – Proxy-Based Web Object Delivery Service -- Invited Talk 4 -- Implementation Issues of Early Application Identification -- Invited Talk 5 -- Securing Internet Coordinate Systems -- Session 5: Network Monitoring -- A Real-Time Performance-Monitoring Tool for Emergency Networks -- A Role-Based Peer-to-Peer Approach to Application-Oriented Measurement Platforms -- Invited Talk 6 -- Gap Analysis in IP Multicast Dissemination -- Session 6: Routing -- Can Forwarding Loops Appear When Activating iBGP Multipath Load Sharing? -- Quality-of-Service Multicast Overlay Spanning Tree Algorithms for Wireless Ad Hoc Networks -- Invited Talk 7 -- Architecture of Satellite Internet for Asia-Wide Digital Communications.

| Sommario/riassunto | The 3rd Asian Internet Engineering Conference (AINTEC) followed the ?rst two successful editions held in Bangkok, Thailand, and focused on developing synergies between researchers in Asia and worldwide, but was also a unique chanceforyoung, talentedregionalscientiststomeetandinteract.AINTEC2007 wasthereforeamajoropportunityforpresentationsanddiscussionsaroundthese objectives. In particular, it aimed at addressing issues pertinent to the Asian region with vast diversities of socio-economic and networking conditions while inviting high-quality and recent research results from the global international research community to be presented. The conference is single-track to favor discussions among a diverse set of participants. We want to thank the authors of the 66 papers submitted for considering AINTEC as the right target for their paper. The submissions came from 18 countries with, as expected, a majority from Asia. The program was composed of 14 accepted papers organized in 6 technical sessions including 7 invited talks by leading experts on innovative topics, presentations of papers, demos, posters and a pre-conference18th Asian School on Computer Science (November, 25–26 2007). You might think that AINTEC is yet another conference but it has di?erent objectives and spirit, it o?ers a great opportunity to discuss future challenges for a sustainable Internet, and to get to know the local and regional researchers and enjoy the great hospitality of Thailand. |