MobiArch 2008

The 3rd ACM International Workshop on Mobility in the Evolving Internet Architecture

Lars Eggert (Nokia Research Center) & Linda Doyle (Trinity College)

ACM SIGCOMM 2008

Seattle, WA, USA

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Nokia Research Center

NOKIA

Committees

Technical Program Committee

Lars Eggert (co-chair)
Linda Doyle (co-chair)
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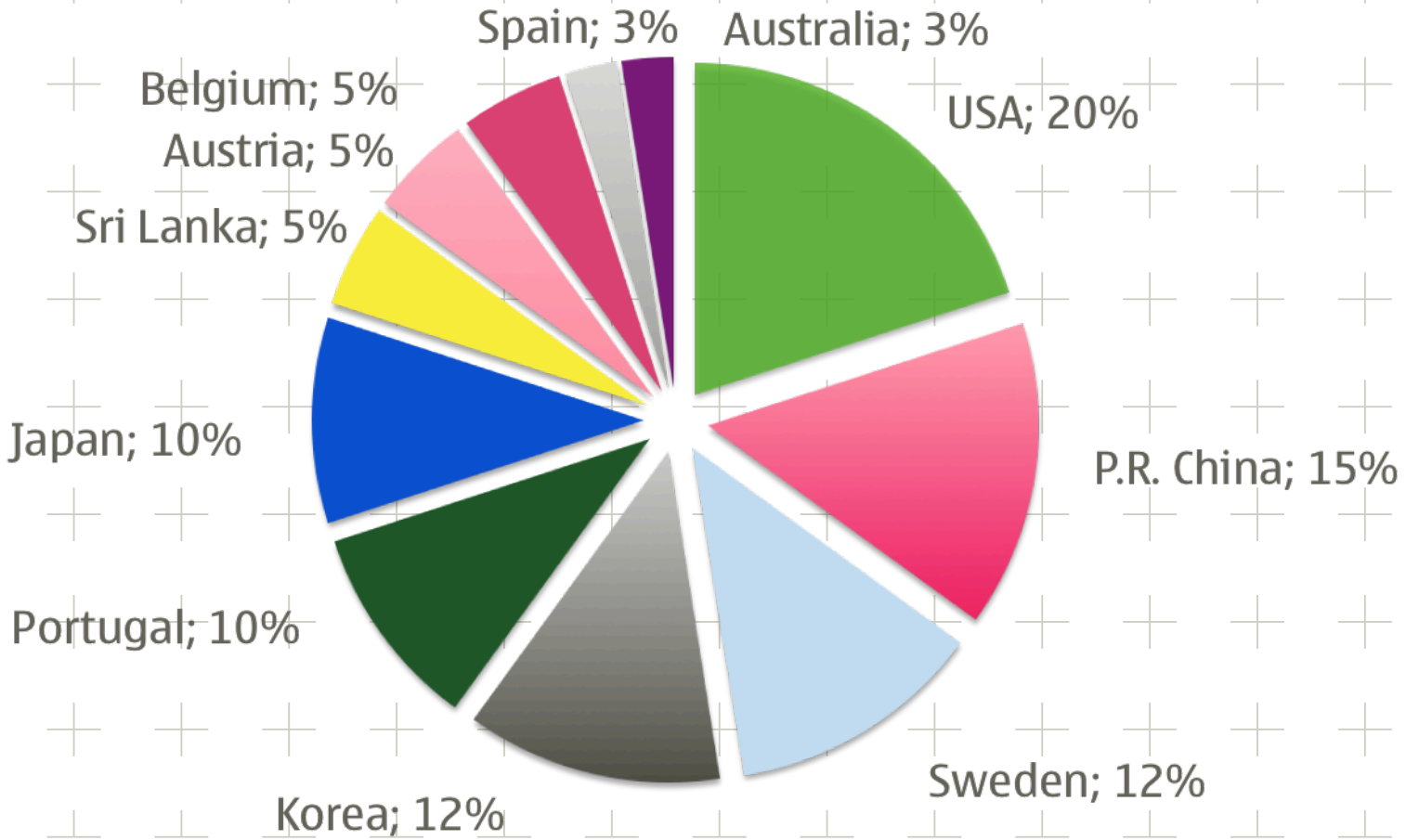
Steering Committee

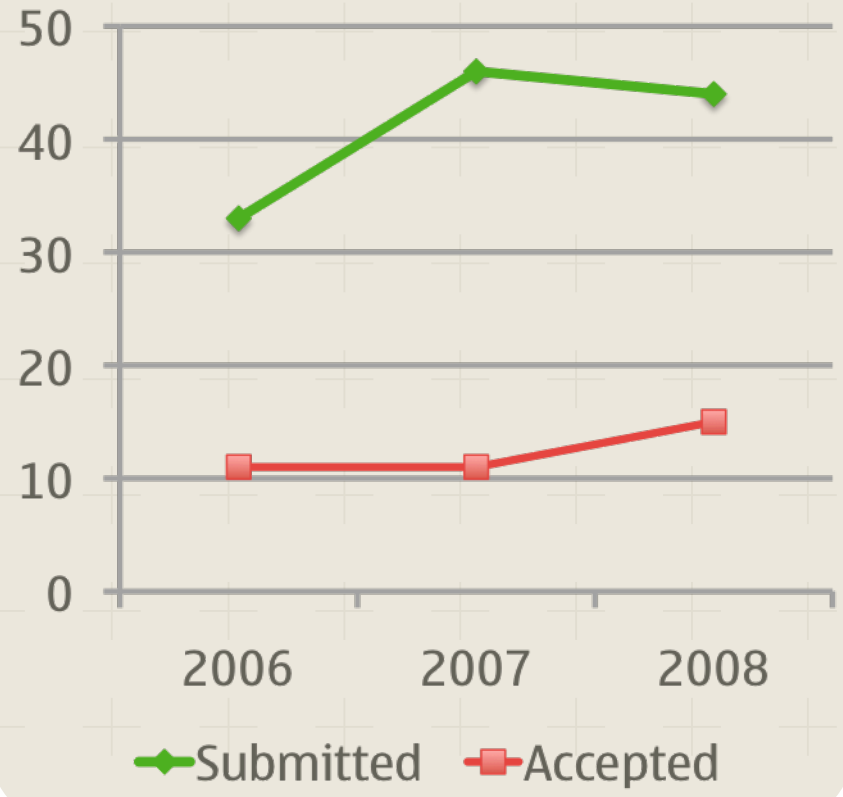
Jon Crowcroft
Xiaoming Fu
Katherine Guo
Henning Schulzrinne

2008 Submissions – Author Breakdown

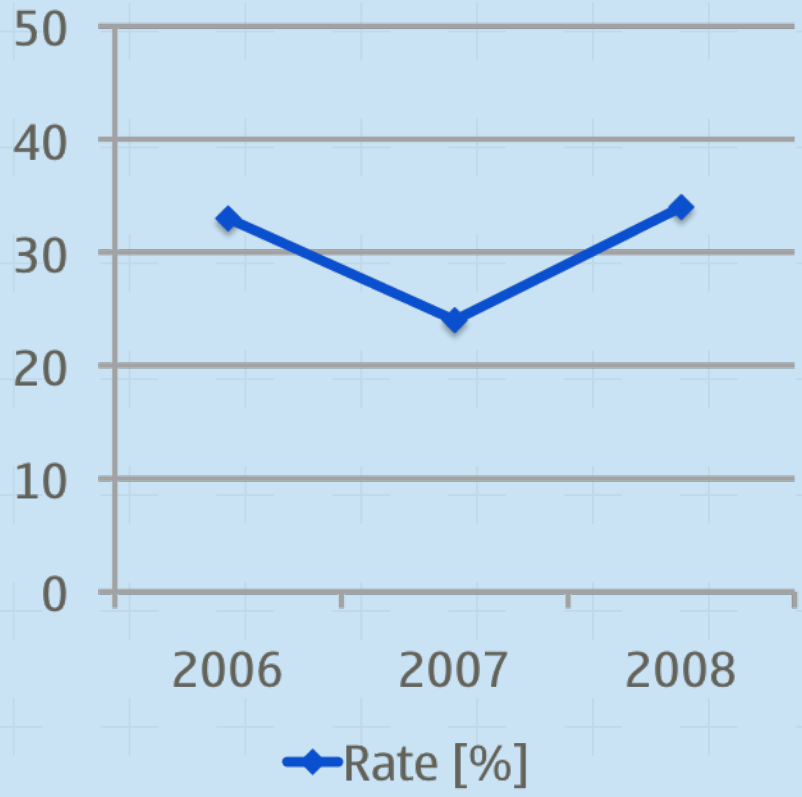


MobiArch Paper Statistics

Submissions & Acceptance



Acceptance Rate



Review & Acceptance Process

- 19 TPC members from academia & industry research labs
- Single-blind review process
- 44 submissions assigned to 3-4 TPC members each
  - 136 total reviews
  - Each TPC member performed 5-8 reviews
  - Average review length ~1500 words
- TPC chairs selected final program during 3-hour phone conference

Program Overview

9:10 – 10:00	**Keynote: Why do we really want an ID/locator split anyway?** Dave Thaler
10:00 – 10:45	**Technical Session: Mobility 1** Chair: Jörg Ott
10:45 – 11:00	Coffee Break
11:00 – 12:00	**Technical Session: Applications** Chair: Bengt Ahlgren
12:00 – 13:00	Lunch Break
13:00 – 13:45	**Technical Session: Mobility 2** Chair: Lars Eggert
13:45 – 15:00	**Panel Discussion: How much mobility do we need?** Jörg Ott (TKK, chair), Kevin Fall, Jussi Kansgasharju & Henning Schulzrinne
15:00 – 15:30	Coffee Break
15:30 – 16:45	**Technical Session: Architectures** Chair: Xiaoming Fu

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Keynote:
Why do we really want an ID/locator split anyway?

Dave Thaler (Microsoft)

Dave Thaler is a Software Architect in the Windows Networking group at Microsoft. Prior to joining Microsoft in 1998, he was a routing developer at Merit Networks. Since then, he has been responsible for multicast, IPv6, network diagnostics, and peer-to-peer efforts within Windows, and led the TCP/IP team during the design of the new TCP/IP stack in Windows Vista.

Dave has been active in the Internet standards community, participating in the Internet Engineering Task Force since 1994 and authoring over 25 RFCs. He is currently a member of the Internet Architecture Board (IAB), and the IP Directorate. Dave holds a Ph.D in Computer Science from the University of Michigan.

Technical Session: Mobility 1

Chair: Jörg Ott (TKK)

A Compact Routing Architecture for Mobility

C. Westphal & J. Kempf (DoCoMo Labs USA)

Mobility Through Naming: Impact on DNS

R. Atkinson (Extreme Networks)
S. Bhatti (University of St Andrews)
S. Hailes (University College London)

Six/One Router: A Scalable and Backwards Compatible Solution for Provider-Independent Addressing

C. Vogt (Ericsson)

Technical Session: Applications

Chair: Bengt Ahlgren (SICS)

Enabling Location Specific Real-time Mobile Applications

R. Kokku, K. Sundaresan & G. Jiang (NEC Laboratories America)

Mobile ATM for Developing Countries

A. Karunanayake & K. de Zoysa (University of Colombo)

S. Muftic (Royal Institute of Technology)

SAT: Situation-Aware Trust Architecture for Vehicular Networks

X. Hong (University of Alabama)

D. Huang (Arizona State University)

M. Gerla & Z. Cao (University of California at Los Angeles)

Shall We Apply Paging Technologies to Proxy Mobile IPv6?

J.-H.Lee & T.-M.Chung (Sungkyunkwan University)

S. Pack (Korea University)

S. Gundavelli (Cisco)

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Technical Session: Mobility 2

Chair: Lars Eggert (Nokia)

Protocols to Efficiently Support Nested NEMO (NEMO+)

B. McCarthy, M. Jakeman & C. Edwards (Lancaster University)
P. Thubert (Cisco Systems)

Versatile IPv6 Mobility Deployment with Dual Stack Mobile IPv6

R. Kuntz (Louis Pasteur University)
J. Lorchat (Internet Initiative Japan Inc.)

IKE Context Transfer in an IPv6 Mobility Environment

F. Allard & J.-M. Combes (France Télécom R&D)
J.-M. Bonnin (Télécom Bretagne)
J. Bournelle (France Télécom R&D)

Panel Discussion:
How much Mobility do we need?

Chair:

Jörg Ott (Helsinki University of Technology)

Panelists:

Kevin Fall (Intel Research)

Jussi Kansgasharju (University of Helsinki)

Henning Schulzrinne (Columbia University)

Technical Session: Architectures

Chair: Xiaoming Fu (Univ. of Göttingen)

Inter-Domain Routing for Mobile Ad Hoc Networks

C.-K. Chau & J. Crowcroft (University of Cambridge)
K.-W. Lee & S.H.Y. Wong (IBM T.J. Watson Research Center)

Black Boxes: Making Ends Meet in Data Driven Networking

S. Tarkoma (Helsinki Institute for Information Technology)
D. Trossen (BT Research), M. Särelä (Nomadiclab, Ericsson Research)

Flexible Resource Allocation and Composition Across GSM/3G Networks and WLANs

M. Al-Fares (University of California at San Diego), M. Johnsson (Ericsson Research)
P. Johansson & A. Vahdat (University of California at San Diego)

Virtual ID Routing

G.-H. Lu, S. Jain, S. Chen & Z.-L. Zhang (University of Minnesota-Twin Cities)

M2: Using Visible Middleboxes to Serve Pro-Active Mobile-Hosts

F.R. Dogar & P. Steenkiste (Carnegie Mellon University)