## Full Publication List

**All publications are available from http://www.cl.cam.ac.uk/~ey204.**

## Book

[BB1]   E. Yoneki: **Data Centric Asynchronous Communication.** ISBN: 978-3-639-07382-9, VDM Verlag, 2008.

## Book Chapters

[BC3]   D. Murray, E. Yoneki, K. Nilakant, and J. Crowcroft: **Task Farming in Crowd Computing.** *Mobile Ad hoc networking: the cutting edge directions (IEEE Series on Digital & Mobile Communication),* S. Basagni, M.Conti, S. Giordano, and I. Stojmenovic eds. Wiley, 2013.

[BC2]   E. Yoneki: **Time/Space Aware Event Correlation.** *Principles and Applications of Distributed Event-based Systems.* A. Hinze and A. Buchmann eds. IGI Global, 2010.

[BC1]   E. Yoneki, and J. Bacon: **Openness and Interoperability in Mobile Middleware.** *Mobile Middleware*. A. Corradi and P. Bellavista eds. ISBN 0-849-33833-6, CRC Press, 2006.

## Journal Papers

[J8]   E. Yoneki and J. Crowcroft: **EpiMap: Towards Quantifying Contact Networks for Understanding Epidemiology in Developing Countries**. Elsevier Ad Hoc Networks Journal: Special Issue on Wireless Technology for Humanitarian Relief (DOI 10.1016/j.adhoc.2012.06.003 in Press), 2012.

[J8]   A. Martin-Campillo, J. Crowcroft, E. Yoneki, and Ramon Marti: **Evaluating Opportunistic Networks in Disaster Scenarios,** Journal of Network and Computer Applications, Elsevier, 2012.

[J7]   H. Haddadi, R. Mortier, S. Hand, I. Brown, E. Yoneki, D. McAuley, and Jon Crowcroft: **Privacy Analytics.** ACM Computer Communication Review, 42(2), April 2012.

[J6]   P. Hui, J. Crowcroft and E. Yoneki: **BUBBLE Rap: Social-based Forwarding in Delay Tolerant Networks.** IEEE Transactions on Mobile Computing, vol. 10 no. 11, pp. 1576-1589, 2011.

[J5]   E. Yoneki, J. Crowcroft, P. Lio, N. Walton, M. Vojnovic and R. Whitaker: **Message from the Workshop on the Future of Social Networking.** ACM Computer Communication Review, 41(3), July 2011.

[J4]   J. Crowcroft, E. Yoneki, P. Hui, and T. Henderson: **Promoting Tolerance for Delay Tolerant Network Research.** ACM Computer Communication Review (CCR), 38(5):63–68, October 2008.

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[J2]   A. Beugnard, R. Fiege, E. Filman,S. Jul, S. Sadou and E. Yoneki: **Communication Abstractions for Distributed Systems.** Journal of Object-Oriented Technology, Workshop Reader ECOOP'2004, LNCS 3344, pp. 67-75, Springer-Verlag, ISSN: 0302-9743, 2004.

[J1]   E. Yoneki: **Pronto: Mobile Gateway with Publish-Subscribe Paradigm over Wireless Networks**. IEEE Distributed Systems Online 4(5), ISSN: 1541-4922, 2003.

## Conference and Workshop Papers

[C53]   K. Nilakant, J. Crowcroft and E. Yoneki: **Mistify: Augmenting Cloud Storage With Delay-Tolerant Cooperative Backup.** IEEE International Conference on Wireless and Mobile Computing, Networking and Communications (WiMob), 2012.

[C52]   K. Nilakant and E. Yoneki: **Pocket Backup Storage System with Cloud Integration.** ACM MobiCom Workshop on Challenged Networks (CHANTS), 2012.

[C51]   H. Kim and E. Yoneki: **Influential Neighbours Selection for Information Diffusion in Online Social Networks**, IEEE International Conference on Computer Communication Networks (ICCCN), 2012.

[C50]   A. Boutet, H. Kim and E. Yoneki: **What's in Your Tweets? I Know What Parties are Popular and Who You are Supporting Now!** IEEE/ACM International Conference on Social Networks Analysis and Mining (ASONAM), 2012.

[C49]   A. Boutet, H. Kim and E. Yoneki **"What's in Your Tweets? I Know Who You Supported in the UK 2010 General Election".** International AAAI Conference on Weblogs and Social Media (ICWSM) (short paper), Dublin, Ireland, June 2012.

[C48] E. Yoneki and J. Crowcroft: **EpiMap: Towards Quantifying Contact Networks and Modelling the Spread of Infections in Developing Countries ".** International Conference on Wireless Technologies for Humanitarian Relief, 2011.

[C47] A. Martin-Campillo, E. Yoneki, J. Crowcroft, and Ramon Marti: **Electronic Triage Tag and Opportunistic Networks in Disasters .** CoNext Special Workshop on the Internet and Disasters, December, 2011.

[C46] N. Wang and E. Yoneki **"Impact of Social Structure on Forwarding Algorithms in Opportunistic Networks ".** IEEE Int'l Conf. on Selected Topics in Mobile & Wireless Networking, 2011.

[C45] E. Yoneki: **FluPhone Study: Virtual Disease Spread using Haggle.** ACM CHANTS, 2011.

[C44] E. Yoneki and D. Greenfield: **Inferring Significance of Meeting Groups in Human Contact Networks.** European Conference on Complex Systems (ECCS), 2010.

[C43] D. Murray, E. Yoneki, J. Crowcroft and S. Hand: **The Case for Crowd Computing.** ACM MOBIHELD at SIGCOMM, 2010.

[C42] M. Freeman, N. Watkins, E. Yoneki, and J. Crowcroft: **Rhythm and Randomness in Human Contact.** International Conference on Advances in Social Networks Analysis and Mining (ASONAM), 2010.

[C41] M. Kryczka, R. Cuevas, C. Guerrero, E. Yoneki and A. Azcorra: **A First Step Towards User Assisted Online Social Networks.** EuroSys workshop on Social Network Systems, 2010.

[C40] J. Crowcroft and E. Yoneki: **European routes to reinventing Internet technology.** Nature 464, 486 (25 March 2010).

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[C38] A. Martín-Campillo, J. Crowcroft, E. Yoneki, R. Martí and C. Martínez-García: **Using Haggle to create an Electronic Triage Tag.** ACM MobiOpp, 2010.

[C37] E. Yoneki, I. Baltopoulos, and J. Crowcroft: **D^3N: Programming Distributed Computation in Pocket Switched Networks.** ACM MOBIHELD at SIGCOMM, August, 2009.

[C36] E. Yoneki: **The Importance of Data Collection for Modelling Contact Networks** IEEE Workshop on Social Computing with Mobile Phones and Sensors: Modeling, Sensing and Sharing, August, 2009.

[C35] E. Yoneki, and F. Abdesslem: **Finding a Data Blackhole in Bluetooth Scanning.** ExtremeCom, August, 2009.

[C34] E. Yoneki, D. Greenfield, and J. Crowcroft: **Dynamics of Inter-Meeting Time in Human Contact Networks.** International Conference on Advances in Social Networks Analysis and Mining (ASONAM), July, 2009.

[C33] E. Yoneki and J. Crowcroft: **GIS: Geographical Information Cascade in Online Social Networks.** NetSci, June, 2009.

[C32] N. Sastry, E. Yoneki, and J. Crowcroft: **Buzztraq: Predicting geographical access patterns of social cascades using social networks.** EuroSys workshop on Social Network Systems, Nuremberg, March, 2009.

[C31] A. Peddemors and E. Yoneki: **Decentralized Probabilistic World Modeling with Cooperative Sensing.** KiVS workshop on Global Sensor Networks, March, 2009.

[C30] P. Hui, E. Yoneki, J. Crowcroft and S. Chan: **Identifying Social Communities in Complex Communications for Network Efficiency.** Complex 2009 (Complex Sciences: Theory and Applications), 2009.

[C29] E. Yoneki: **Visualizing Communities and Centralities from Encounter Traces.** ACM MobiCom Workshop on Challenged Networks (CHANTS), September, 2008.

[C28] E. Yoneki and J. Crowcroft: **Towards Data Driven Declarative Networking in Delay Tolerant Networks.** International Conference on Distributed Event Based Systems (DEBS), July 2008.

[C27] E. Yoneki and J. Crowcroft: **Study of Wireless Epidemic Spread in Dynamic Human Connectivity Traces (abstract).** International Conference on Network Science (NetSci), May 2008.

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[C23]  E. Yoneki, P. Hui, S. Chan and J. Crowcroft: **A Socio-Aware Overlay for Publish/Subscribe Communication in Delay Tolerant Networks.** 10th ACM International Symposium on Modeling, Analysis and Simulation of Wireless and Mobile Systems (MSWiM), October, 2007.

[C22]  E. Yoneki, P. Hui, and J. Crowcroft: **Visualizing Community Detection in Opportunistic Networks.** ACM MobiCom Workshop on Challenged Networks (CHANTS), September, 2007

[C21]  P. Hui, E. Yoneki, S. Chan, and J. Crowcroft: **Distributed Community Detection in Delay Tolerant Networks.** ACM SIGCOMM Workshop (MOBIARCH), August, 2007.

[C20]  T. Nicolai, E. Yoneki, N. Behrens, and H. Kenn: **Exploring Social Context with the Wireless Rope.** Workshop on Mobile and Networking Technologies for Social Applications (OTM-MONET), LNCS 4277, pages 874-883, October, 2006.

[C19]  E. Yoneki: **Ambient Intelligence by Collaborative Eye Tracking**. EWSN (commended paper in Sentient Future Competition), February 2006.

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[C17]  E. Yoneki and J. Bacon: **Object Tracking using Durative Events.** IFIP International Symposium on Network-Centric Ubiquitous Systems, LNCS 3824, pp.652-662, Japan, December 2005.

[C16]  E. Yoneki and J. Bacon: **Unified Semantics for Event Correlation over Time and Space in Hybrid Network Environments.** IFIP International Conference on Cooperative Information Systems (CoopIS), LNCS 3760, pp. 366-384, Cyprus, November 2005.

[C15]  E. Yoneki: **Event Broker Grids with Filtering, Aggregation, and Correlation for Wireless Sensor Data.** IFIP International Workshop on Grid Computing and its Application to Data Analysis (GADA), LNCS 3762, pp. 304-313, Cyprus, November 2005.

[C14]  E. Yoneki: **Temporal Ordering of Wireless Sensor Events.** UbiComp - Workshop on Ubiquitous Wireless Communication, pp. 7-8, Tokyo, Japan, September 2005.

[C13]  E. Yoneki: **Evolution of Ubiquitous Computing with Sensor Networks in Urban Environments.** UbiComp - Workshop on Metapolis and Urban Life, pp. 56-60, Tokyo, Japan, September 2005.

[C12]  E. Yoneki and J. Bacon: **Determination of Time and Order for Event-Based Middleware in Mobile Peer-to-Peer Environments.** IEEE International Conference on Pervasive Computing and Communications (PerCom) - Workshop on Mobile Peer-to-Peer Computing (MP2P), pp. 91-96, Kauai, USA, March 2005.

[C11]  E. Yoneki and J. Bacon: **Distributed Multicast Grouping for Publish/Subscribe over Mobile Ad Hoc Networks.** IEEE Wireless Communications and Networking Conference (WCNC), New Orleans, USA, March 2005.

[C10]  E. Yoneki and J. Bacon: **Dynamic Group Communication in Mobile Peer-to-Peer Environments.** ACM Symposium on Applied Computing (SAC), pp. 986-992, Santa Fe, USA, March 2005.

[C9]  E. Yoneki and J. Bacon: **Dynamic Publish/Subscribe.** IFIP International Conference on Cooperative Information Systems (CoopIS - Poster), LNCS 3292, pp.1-2, Cyprus, October 2004.

[C8]  E. Yoneki and J. Bacon: **Towards a Peer-to-Peer Event Broker Grid in a Hybrid Network Environment.** IFIP On The Move Federated Conferences (OTM - CoopIS/DOA/ODBASE) - Workshop on Grid Computing and its Application to Data Analysis (GADA), LNCS 3292, pp.198-210, Cyprus, October 2004.

[C7]  E. Yoneki and J. Bacon: **Event Order with Interval Timestamp in Event Correlation Service over Wireless Ad Hoc Networks.** ACM/IFIP/USENIX International Conference on Middleware (Middleware - Poster ), pp. 331, Toronto, Canada, October 2004.

[C6]  E. Yoneki and J. Bacon: **An Adaptive Approach to Content-Based Subscription in Mobile Ad Hoc Networks.** IEEE International Conference on Pervasive Computing and Communications (PerCom) - Workshop on Mobile Peer-to-Peer Computing (MP2P), pp. 92-97, Orlando, USA, March 2004.

[C5]  E. Yoneki and J. Bacon: **Content-Based Routing with On-Demand Multicast.** IEEE International Conference on Distributed Computing Systems (ICDCS) – Workshop on Wireless Ad Hoc Networking (IWWAN), pp.788-793, Tokyo, Japan, March 2004.

[C4]     E. Yoneki: **Many Aspects of Reliability in a Distributed Mobile Messaging Middleware over JMS.** IFIP On The Move Federated Conferences (OTM - CoopIS/DOA/ODBASE) - Workshop on Reliable and Secure Middleware, LNCS 2889, pp.934-949, Springer, Nov. 2003.

[C3]     E. Yoneki: **Mobile Applications with a Middleware System in the Publish-Subscribe Paradigm**. IEEE Workshop on Applications and Services in Wireless Networks (ASWN), pp. 263-274, Bern, Switzerland, July 2003.

[C2]     E. Yoneki: **Pronto: Mobile Gateway with Publish-Subscribe Paradigm over Wireless Networks.** ACM/IFIP/USENIX Middleware'03 - Work in Progress, Rio de Janeiro, Brazil, June 2003.

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[R5]     A. Roy, K. Nilakant, V. Dalibard, and Eiko Yoneki: **Mitigating I/O latency in SSD-based Graph Traversal.** Technical Report (UCAM-CL-TR-823).University of Cambridge, 2012

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[R3]     D. Fay, J. Kunegis, and E. Yoneki: **On Joint Diagonalization for Dynamic Network Analysis.** Technical   Report (UCAM-CL-TR-806), University of Cambridge, 2011.

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[R1]     E. Yoneki: **Pronto: Mobile Gateway with Publish-Subscribe Paradigm over Wireless Networks.** Technical Report UCAM-CL-TR559, University of Cambridge, 2003.

## Book/Journal Editing

[E2]     Prithwish Basu, Tom La Porta, Richard Gibbens, Ching-Yung Lin, Ananthram Swami, and Eiko Yoneki: **IEEE JSAC on Network Science.** IEEE, 2012.

[E1]     P. Lio, P, E. Yoneki, J. Crowcroft and D. Verma: **Bio-Inspired Computing and Communication.** LNCS 5151, Springer, 2008.