2014 IEEE Thirteenth International Conference on Peer-to-Peer Computing

(P2P 2014)

London, United Kingdom
8-12 September 2014
# Table of Contents

## Streaming

- Clubbing with the Peers: A Measurement Study of BitTorrent Live
  - Julius Rückert, Tamara Knierim and David Hausheer

- Bypassing the Cloud: Peer-assisted Event Dissemination for Augmented Reality Games
  - Björn Richerzhagen, Dominik Stingl, Ronny Hans, Christian Groß and Ralf Steinmetz

- LayStream: composing standard gossip protocols for live video streaming
  - Miguel Matos, Valerio Schiavoni, Etienne Rivière, Pascal Felber and Rui Oliveira

- Dataset on Usage of a Live & VoD P2P IPTV Service
  - Yehia Elkhatib, Mu Mu and Nicholas Race

## Overlays and Relatives

- Fully Distributed Robust Singular Value Decomposition
  - István Hegedűs, Mark Jelasity, Levente Kocsis and Andras A. Benczur

- HSkip+: A Self-Stabilizing Overlay Network for Nodes with Heterogeneous Bandwidths
  - Matthias Feldotto, Christian Scheideler and Kalman Graffi

- Automatic Transport Selection and Resource Allocation for Resilient Communication in Decentralized Networks
  - Matthias Wachs, Christian Grothoff and Fabian Oehlmann

## Clouds

- Reducing Costs in the Personal Cloud: Is BitTorrent a Better Bet?
  - Rahma Chaabouni, Marc Sanchez-Artigas and Pedro Garcia Lopez

- Decentralizing the Cloud: How Can Small Data Centers Cooperate
  - Hao Zhuang, Rameez Rahman and Karl Aberer

## Good Neighbors

- Diversity Entails Improvement: A New Neighbour Selection Scheme for Kademlia-type Systems
  - Hani Salah, Stefanie Roos and Thorsten Strufe

- RankSlicing: A decentralized protocol for supernode selection
  - Giovanni Simoni, Roberto Roverso and Alberto Montresor

- On the Tradeoff between Resilience and Degree Overload in Dynamic P2P Graphs
  - Zhongmei Yao, Daren Cline and Dmitri Loguinov

- User Freedom: To Be or Not To Be a Supernode
  - Khalid Alhamed and Marius Silaghi

- Routing Table Construction Method Solely Based on Query Flows for Structured Overlays
  - Yasuhiro Ando, Hiroya Nagao, Takehiro Miyao and Kazuyuki Shudo
Storage and Replication

Stochastic Models of Pull-Based Data Replication in P2P Systems

Xiaoyong Li and Dmitri Loguinov

Replicated Erasure Codes for Storage and Repair-Traffic Efficiency

Roy Friedman, Yoav Kantor and Amir Kantor

Privacy

4P: Performant Private Peer-to-Peer File Sharing

Nicolaas Zeilemaker, Johan Pouwelse and Henk Sips

Censorship-Resistant and Privacy-Preserving Distributed Web Search

Michael Herrmann, Ren Zhang, Kai-Chun Ning, Claudia Diaz and Bart Preneel

Clouds (Short Papers)

Cloudy Knapsack Problems: an Optimization Model for Distributed Cloud-assisted Systems

Harisankar Haridas, Sriram Kailasam and Janakiram Dharanipragada

The Power of Indirect Ties in Friend-to-Friend Storage Systems

Xiang Zuo, Jeremy Blackburn, Nicolas Kourtellis, John Skvoretz and Adriana Iamnitchi

A peer-to-peer service architecture for the Smart Grid

Filipe Campos, Miguel Matos, Jose Pereira and David Rua

Measurements (Short Papers)

An Empirical Study of the Global Behavior of A Structured Overlay Network

Ruma Paul, Peter Van Roy and Vladimir Vlassov

Defining and Understanding Smartphone Churn over the Internet: a Measurement Study

Arpad Berta, Vilmos Bilics and Mark Jelasity

100 Million DHT replies

Nicolaas Zeilemaker and Johan Pouwelse