



University of Zurich

EMANICS P2P Workshop University of Zurich, March 3-4, 2008



1st EMANICS Workshop on Peer-to-Peer Management

Workshop Co-Chairs:

David Hausheer and Burkhard Stiller

Communication Systems Group CSG, Department of Informatics IFI, University of Zurich
Binzmühlestrasse 14, CH-8050 Zürich, Switzerland

[hausheer|stiller]@ifi.uzh.ch





Introduction and Workshop Scope



Peer-to-peer

- Networking concept successfully used by different applications
 - E.g., P2P file sharing, P2P telephony, P2P video streaming
- Known to scale well and to achieve a high robustness

Management

- P2P networks have no central point of control
- P2P management remains a challenge

P2P Management

- Use of P2P concepts for network and service management
- Management of P2P networks
- Fully decentralized and distributed management approaches



Workshop Statistics



38 participants

- 12 presenters (EMANICS)
- 12 participants (EMANICS)
- 1 keynote speaker (Non-EMANICS)
- 13 participants (Non-EMANICS)
 - Swiss + nearby universities (Darmstadt, ETH, Innsbruck, Konstanz, Lugano)
 - Swiss + nearby industry (DoCoMo, IBM, Netcetera, RayV)



Acknowledgements

Keynote Speaker

- Prof. Dr. Ralf Steinmetz, TU Darmstadt, Germany

EC IST-EMANICS Network of Excellence (NoE #26854)

- Financial Sponsor

Communication Systems Group CSG, Department of Informatics IFI, University of Zurich

- Infrastructure, Technical Sponsor

Last but not least: all the speakers!



Agenda Monday



- 10:45 **Keynote: Efficiency and Information Management in Peer-to-Peer Systems**
Ralf Steinmetz, Darmstadt University of Technology

- 11:45 **P2P Technologies Employed in Network Management**
Lisandro Zambenedetti Granville, University of Twente and UFRGS

- 12:30 Lunch break

- 14:00 **Distributed and Autonomic Real-Time Traffic Analysis**
Cristian Morariu, University of Zurich



Agenda Monday (cont'd)



- 14:45 Distributed Monitoring of Resource Usage in a Virtual Lab
Pau Valles and Joan Serrat, Technical University of Catalonia
- 15:30 Coffee break
- 16:00 Distributed Case-Based Reasoning for Fault Management
Ha Manh Tran, Jacobs University Bremen
- 16:45 Distributed Fault Management and Fault Recovery
Feng Liu, Ludwig-Maximilians-University Munich
(cancelled due to speaker illness)
- 17:30 End of first workshop day
- 19:00 Social event



Agenda Tuesday



- 09:00 Start of second workshop day
- 09:15 Policy-based Management of Wireless Ad Hoc and P2P Networks
Antonis Hadjiantonis, University of Surrey
- 10:00 Coffee break
- 10:30 Revocation Mechanisms in P2P Networks
Thibault Cholez, Nancy University
- 11:15 Agent based Modelization for P2P Networks
Julien Siebert, INRIA Lorraine



Agenda Tuesday (cont'd)



- 12:00 Lunch break
- 13:00 **Fast Similarity Search for Structured P2P Systems**
Thomas Bocek and Fabio Hecht, University of Zurich
- 13:45 **Interworking of P2P-SIP and traditional SIP Network**
Balamurugan Karpagavinayagam, INRIA Lorraine
- 14:30 Wrap up and discussion
- 15:00 End of second workshop day



Workshop Proceedings



Presentations will be uploaded to the workshop website after the workshop

- <http://www.csg.uzh.ch/events/p2p-ws/>
- All speakers please send slides to hausheer@ifi.uzh.ch

Further dissemination ideas

- Submit (joint) papers to the P2P computing conference?
- Write a joint book?



Local Services

WLAN Access

- SSID: **emanics**
- WPA 64 bit
- Password without quotes plain text: **"WSHOP"** or hex **"57 53 48 4F 50"** [without spaces]

Breaks

- Coffee from times onward noted in agenda
- Drinks and cookies available all the time

Lunch

- Today (Monday): Mensa (Voucher)
- Tomorrow (Tuesday): Sandwiches

Social Event

- Today (Monday): Traditional Swiss Food



Social Event: Location

Restaurant: Chäsalp
Tobelhofstrasse 236
8044 Zürich





Social Event



Joint walk from UZH meeting room to tram station, starting at 18.00 hours at UZH

24 hour Ticket of Zone 10 (Zürich) already bought?






- For latecomers: From Kirche Fluntern (reachable by Tram 5 and 6) Bus 751 starting at 18.48 hours (joint plan) and 19.18 or later 19.48 hours

Starting time in restaurant is at 19.00 hours



Social Event: Transport Schedule



Detailed view						
Station/Stop	Date	Time	Platform	Products	Comments	
Zürich, Bahnhof Oerlikon Ost  	03.03.08	dep 18.17		 <u>Trm 14</u>	Trm Direction: Zürich, Triemli	
Zürich, Schaffhauserplatz  		arr 18.26				
Zürich, Schaffhauserplatz  				 walk	2 min.	
Zürich, Schaffhauserplatz  						
Zürich, Schaffhauserplatz  		dep 18.32		 <u>Tro 33</u>	Tro Direction: Zürich, Bahnhof Tiefenbrunnen	
Zürich, Kirche Fluntern  		arr 18.41				
Zürich, Kirche Fluntern  				 walk	2 min.	
Zürich, Kirche Fluntern  						
Zürich, Kirche Fluntern  		dep 18:48		 <u>Bus 751</u>	Bus Direction: Zürich, Bahnhof Stettbach	
Zürich, Tobelhof 		arr 18:53				



Social Event: Return Times

Return options:

- (a) Joint return
- (b) Individual return

Bus 751 starting at Tobelhofstrasse at:

- 20.42 hours
- 21.42 hours (planned return time)
- 22.42 hours

Bus 751 to Kirche Fluntern, Bus 33 to Schaffhauserplatz, Tram 14 to Oerlikon



Have a Good Workshop Start!



Thank you for attending!

We wish you a lively and interesting Workshop
with many interactions.