Philippe Bonnet

2009-   Associate professor at IT University of Copenhagen.
2004-   Associate editor for ACM Transactions on Sensor Networks and the International
             Journal of Distributed Sensor Networks.
2003-2009 Associate Professor at University of Copenhagen (DIKU)
2001-2003 Assistant Professor at University of Copenhagen (DIKU)
1999-2001 Research Associate at Cornell University, USA
1999   PhD from U.Savoie, France with distinctions (felicitations du jury)
1996-1999 Research Engineer at GIE Dyade (Bull/INRIA), Grenoble, France
1993-1996 Research Engineer at the European Computer-Industry Research Center (ECRC),
             Munich, Germany
1994   MSc (DEA) from INSA Lyon, France with distinctions (major, mention B)
1993   Engineering Degree from INSA Lyon, France with distinctions (felicitations du jury)

Philippe's background is in the area of data management. Philippe was in charge of DIKU collaboration with MySQL AB and the Gelato Federation in the context of the Badger project funded by the Danish research agency (2003-2005). Philippe is co-author of a reference book on database tuning together with Dennis Shasha from NYU. Philippe has worked in the area of sensor networks since 1999 where he was in charge of Cornell's contribution to the 1st DARPA program in the area (SensIT). Philippe is managing the MANA project, funded by the strategic research council (Nabiit). The goal of the MANA project is to deploy an autonomous experimentation platform based on sensor networks for lake monitoring at the Zackenberg station in North-West Greenland. Philippe was in charge of DIKU's contribution to the Hogthrob project funded by the Danish Research Agency (2004-2007) and to the EU CA on sensor networks Wisent (2004-2006) as well as the Network of Excellence CRUISE in the area of sensor networks. Philippe is chair of the steering committee for the ACM International Conference on Embedded Networked Systems.

Selected Publications

Dennis Shasha and Philippe Bonnet. Database Tuning. In Database Encyclopedia. Springer Verlag. 2009.

Marcus Chang, Andreas Terzis, Philippe Bonnet. Mote-Based Online Anomaly Detection Using Echo State Networks. DCOSS 2009

Luc Bouganim, Bjorn Jonsson, Philippe Bonnet. uFlip: Understanding Flash IO Patterns. CIDR 2009. (best paper award)

Marcus Chang, Cecile Cornou, Klaus Madsen, Philippe Bonnet: Lessons from the Hogthrob Deployments. WiDeploy 2008.

Martin Leopold, Marcus Chang, Philippe Bonnet. Characterizing Mote Performance: A Vector-Based Methodology. International Conference on 5th European Conference, EWSN 2008.

Christoffer Hall, Philippe Bonnet: Getting Priorities Straight: Improving Linux Support for Database I/O. VLDB 2005

Boris Jan Bonfils, Philippe Bonnet: Adaptive and Decentralized Operator Placement for In-Network Query Processing. Telecommunication Systems 26(2-4): 389-409, 2004.

Database Tuning: Principles, Experiments and Troubleshooting Techniques. Dennis Shasha and Philippe Bonnet. Morgan Kaufmann 2002.