

LUNCHTIME OPTIONS

E-Quad Café - Cross Olden Street and enter the E-Quad.
The café is straight ahead.

Restaurants within 5-minutes walk from Friend Center:
Exit the Friend Center onto Olden St. Take a left on Olden and walk one short block to Nassau St. Make a right on Nassau to the restaurants listed below:

Ivy Garden (Chinese) 238 Nassau St.

Kaliente (Mexican, Indian) 235B Nassau St.

Kalluri Corner (Indian) 235A Nassau St.

Small World Café (Coffeehouse, sandwiches) 254 Nassau St.

Thai Village (Thai) 235 Nassau St.

Tiger Noodles (Chinese) 260 Nassau St.

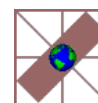
Tomo Sushi (Sushi) 236 Nassau St.

Hoagie Haven (Deli, take-out only) 242 Nassau St.

WORKSHOP ON MODELING AND ANALYSIS OF COMPUTER AND COMMUNICATION SYSTEMS:

**In Honor of Hisashi Kobayashi on the Occasion of
his 70th Birthday and Retirement**

Sponsored by:



IFIP WG 7.3



Dept. of Electrical Engineering,
Princeton University

May 9, 2008

**Friend Center, School of Engineering and Applied Science
Princeton University
Princeton, New Jersey, USA**

Workshop Schedule

7:45 am: Shuttle bus from Hyatt to Friend Center
8:00 am: Continental breakfast
8:45 am: Opening remarks Friend Bowl 006
9:00 am: Plenary Talk 1, Bowl 006
9:45 am: Sessions 1.A, Bowl 006 and 1.B, Bowl 008
11:15 am: Morning coffee break
12:15 pm: Lunchtime [participants on own]
1:30 pm: Plenary Talk 2, Bowl 006
2:15 pm: Sessions 2.A, Bowl 006 and 2.B, Bowl 008
3:15 pm: Afternoon coffee break
5:30 pm: Shuttle bus to Hyatt Hotel
6:15 pm: Group dinner at Hyatt

MORNING SESSIONS

Plenary Talk 1

Room: Bowl 006, Friend Center

9:00 am: Paul J. Kühn, *University of Stuttgart*,
"Challenges of performance modelling in network research"

Session 1.A: Advances in Communication Networks

Room: Bowl 006, Friend Center

9:45 am: Gerhard Fasol, *Eurotechnology Japan KK*,
"Global opportunities for Japan's telecom sector"
10:15 am: G. Ramamurthy, *Conexant Systems*,
"Fiber to the home: Current status and challenges"
10:45 am: **Morning coffee break**
11:15 am: Paul Prucnal, *Princeton University*,
"Securing the optical-wireless interface in access networks"
11:45 pm: Waisum Lai, *AT&T Labs*,
"Routing scalability"

Session 1.B: Stochastic Models

Room: Bowl 008, Friend Center

9:45 am: Sidney Hantler, *IBM Research*
"Multidimensional partially homogeneous random walks"
10:15 am: Mark Squillante, *IBM Research*
"Explicit solutions for a general class of random walks in the quarter-plane"
10:45 am: **Morning coffee break**
11:15 am: V. Ramaswami, *AT&T Research*,
"Stochastic fluid flow models"
11:45 pm: Robert Cole, *Johns Hopkins University/APL*,
"Stochastic models for hybrid packet /analytic network simulations"

AFTERNOON SESSIONS

Plenary Talk 2

Room: Bowl 006, Friend Center

1:30 pm: Jeff Buzen, *Independent consultant*,
"The improbable success of probabilistic models"

Session 2.A: Routing and Reliability in Networks

Room: Bowl 006, Friend Center

2:15 pm: Zygmunt J. Haas, *Cornell University*,
"Stochastic routing in ad hoc networks"
2:45 pm: Phillip Chou, *Microsoft Research*,
"Packing multicast trees"
3:15 pm: **Afternoon coffee break**
3:45 pm: Yaakov Kogan, *AT&T Labs*,
"Non-stationary problems in reliability of data networks"
4:15 pm: Mor Harchol-Balter, *Carnegie Mellon University*,
"Analysis of join-the-shortest-queue routing for web server farms"

Session 2.B: Design of Communication Systems

Room: Bowl 008, Friend Center

2:15 pm: Hideaki Takagi, *University of Tsukuba*,
"Methodology for calculating the required spectrum for IMT- advanced in mobile communication networks"
2:45 pm: Kin K. Leung, *Imperial College*,
"Cross-layer design for wireless mesh networks"
3:15 pm: **Afternoon coffee break**
3:45 pm: Aurel Lazar, *Columbia University*,
"Time encoding machines"
4:15 pm: Jan Bajcsy, *McGill University*,
"Two new channel capacity results and their potential implications for practical communication systems"