Technical Parallel Session
Innovation in Manufacturing Systems and Technology (IMST)
Day 1
Wednesday, 19th January 2005
Located at the Orchard Ballroom 1, Level 3, Orchard Hotel

1300 - 1330  Registration

1330 - 1350  Non-linear mechanical behavior of the elastomer polydimethylsiloxane (PDMS) used in the manufacture of microfluidic devices
L. Anand

1350 - 1410  Room-temperature continuous-wave operation of GaInNAs/GaAs quantum dot laser with GaAsN barrier grown by solid source molecular beam epitaxy
S. F. Yoon

1410 - 1430  Process Variability in Micro-Embossing
D. E. Hardt

1430 - 1450  Micro-layered-photolithography for micro-fabrication and micro-molding
H. T. Loh

1450 - 1510  Modeling and Analysis of Multiple-Part-Type Manufacturing Systems
S. B. Gershwin

1510 - 1540  TEA BREAK

1540 - 1600  Markov Process Modeling of A System Under WIPLOAD Control
Sivakumar Appa

1600 - 1620  The Benefits of Re-Evaluating Real-Time Fulfillment Decisions
Stephen Graves

1620 - 1640  Planning and Scheduling Decisions in Supply Chains with Multiple Supply Modes: An Integrated Approach
Rohit Bhatnagar

1640 - 1700  Closing
Technical Parallel Session
Innovation in Manufacturing Systems and Technology (IMST)
Day 2
Thursday, 20th January 2005
Located at the Orchard Ballroom 1, Level 3, Orchard Hotel

0830 – 0900  Registration

0900 – 1000  Strategy Meeting

1000 – 1030  TEA BREAK

1030 – 1150  Strategy Meeting

and

0900 – 0920  Femtosecond laser processing of crystalline silicon

0920 – 0940  Non-linear mechanical behavior of the elastomer polydimethylsiloxane (PDMS) used in the manufacture of microfluidic devices
R. C. Huang and L. Anand

0940 – 1000  Investigation of Aspect Ratio of Hole Drilling from Micro to Nano-Scale via Focused Ion Beam Fine Milling
Yongqi Fu, Bryan Kok Ann Ngoi

1000 – 1030  TEA BREAK

1030 – 1050  A Two-Level Prediction Model for Deep Reactive Ion Etch (DRIE)
H. K. Taylor, Hongwei Sun, Tyrone F. Hill, Martin A. Schmidt, and Duane S. Boning

1050 – 1110  Assembly Guidance in Augmented Reality Environments Using a Virtual Interactive Tool
M.L. Yuan, S.K. Ong and A.Y.C. Nee

1110 – 1130  Programmable Separation of Biologically Active Molecules
Vijay Shilpiiekandula, Mauricio Gutierrez and Kamal Youcef-Toumi

1130 – 1150  Logistics Network Design with Differentiated Delivery Lead-Time: Benefits and Insights
M.L.F. Cheong, R. Bhatnagar, S.C. Graves

1150 – 1210  Temporary and Permanent Buyout Prices in Online Auctions
Shobhit Gupta and, Jérémie Gallien

1210  Closing