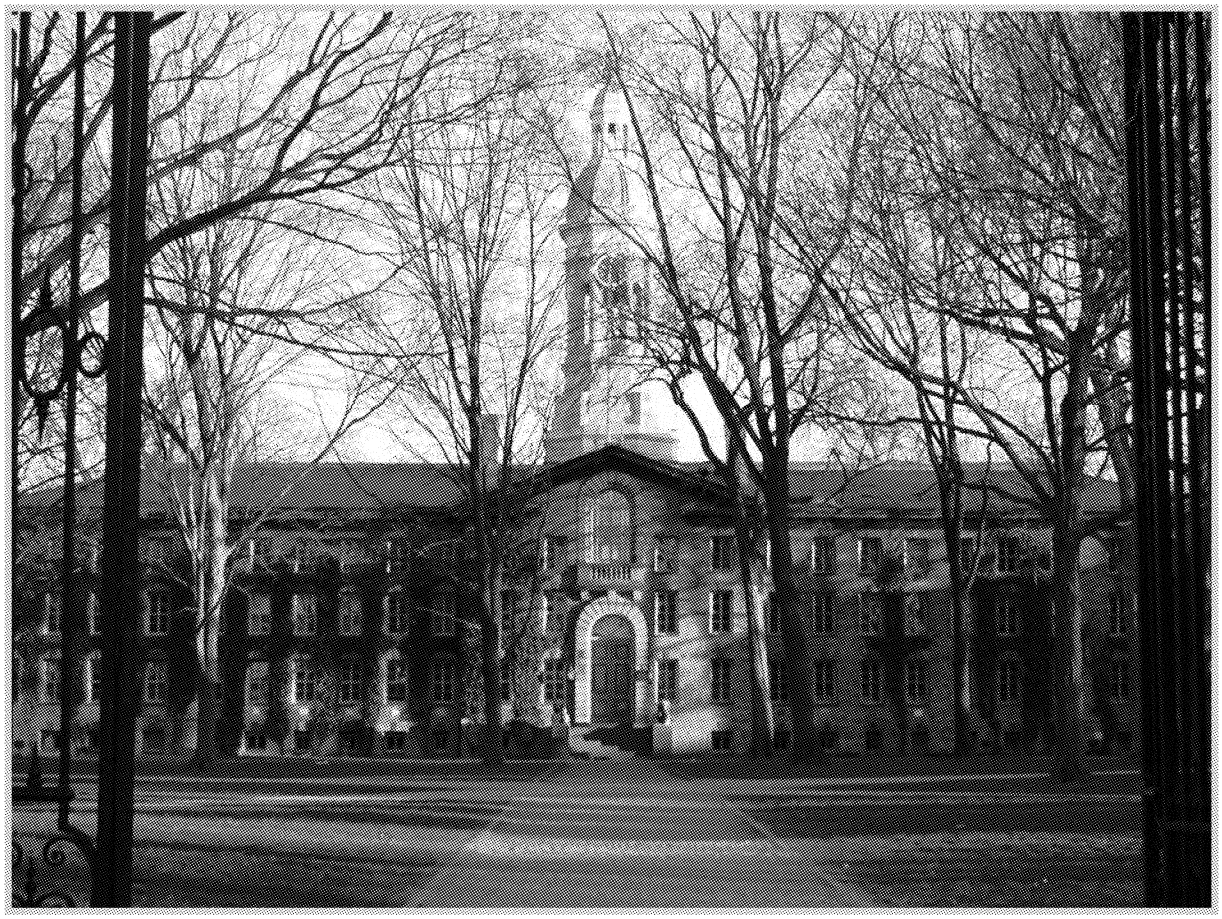
2006 International SiGe Technology and Device Meeting

ISTDM 2006



Conference Digest of the Third International Silicon Germanium Technology and Device Meeting (ISTDM 2006)

Princeton University, Princeton, NJ USA
May 15th – May 17th, 2006

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Technical Program ISTDM 2006

Monday, May 15th

Session 1: Plenary Session – Friend 101
Session Chair: Eugene Fitzgerald

9:00 –9:15 Welcome and Introduction

Break
10:35 AM – 10:55 AM, Friend 113

[Parallel Session]
Session 2A: Strained Si FET/CMOS and Technology
10:55 AM – 11:55 AM, Friend 101
Session Chair: Minjoo Lee

[Parallel Session]
Session 2B: Germanium Device Technology
10:55 AM – 11:55 AM, CS 104
Session Chair: Roger Loo

Lunch
12:00 PM – 1:30 PM, Friend 113

Session 3: Invited: Optoelectronics and Ge FET's
1:30 PM – 3:30 PM, Friend 101
Session Chairs: Cliff King and Detlev Grützmacher

Break
3:30 PM – 3:50 PM, Friend 113

[Parallel Session]
Session 4A: Optoelectronics
3:50 PM – 4:50 PM, Friend 101
Session Chair: Michael Morse

[Parallel Session]
Session 4B: Ge MIS/MOS Technology
3:50 PM – 4:50 PM, CS 104
Session Chair: Shigeaki Zaima

Session 5: Poster Session/Reception
5:30 PM – 7:45 PM, Carl Icahn Laboratory Lobby
Session Chair: Malcolm Carroll

Session 6: Panel Discussion: *What's the next big thing for SiGe after strained Si and HBTs?* **8:00 PM – 9:30 PM, Friend 101**
Session Chairs: Eugene Fitzgerald and Steven Koester

Tuesday, May 16, 2006

Registration and Breakfast
7:45 AM – 8:30 AM, Friend Center 113

Session 7: Invited: FET's and CMOS
8:30 AM – 10:30 AM, Friend 101
Session Chairs: Steven Koester and Brice de Jaeger

Break
10:30 AM – 10:50 AM, Friend 113

[Parallel Session]
Session 8A: Strained Si FET's/Selective Epitaxy
10:50 AM – 12:05 PM, Friend 101
Session Chair: Yasuo Kunii

[Parallel Session]
Session 8B: Heterostructure Growth and Novel Characterization
10:50 AM – 12:05 PM, CS104
Session Chair: Hans von Kaenel

Session 9: Poster Session and Lunch
12:05 PM – 2:00 PM, Friend 113 and Atrium

Session 10: Invited: Quantum Devices and Novel Structures
2:00 PM – 3:30 PM, Friend 101
Session Chairs: Junichi Murota and James Kolodzey

Break
3:30 PM – 3:45 PM, Friend 113

[Parallel Session]
Session 11A: Virtual Substrates
3:45 PM – 5:15 PM, Friend 101
Session Chair: Siegfried Mantl

[Parallel Session]
Session 11B: Novel/Quantum Devices
3:45 PM – 5:15 PM, CS 104
Session Chair: Mark Eriksson

Conference Banquet: Reception
6:00 PM – 7:00 PM, Prospect House

Conference Banquet: Dinner
7:00 PM – 9:00 PM, Prospect House

Wednesday, May 17, 2006

Registration and Breakfast
7:45 AM – 8:30 AM, Friend Center 113

Session 12: Invited: HBT's, FET's, and CMOS
8:30 AM – 10:30 AM, Friend 101
Session Chairs: Bruno Ghyselen and Brian Gaucher

Lunch
12:05 PM – 1:30 PM, Friend Center 113

Session 14: Invited: HBT Circuits and Engineered Substrates
1:30 PM – 2:30 PM, Friend 101
Session Chair: Bernd Tillack

Break
2:30 PM – 2:45 PM, Friend Atrium

[Parallel Session]
Session 15A: HBT Devices and Circuits
2:45 PM – 4:00 PM, Friend 101
Session Chair: Bernd Heinemann

[Parallel Session]
Session 15B: Process Technology
2:45 PM – 4:00 PM, CS 104
Session Chair: Chee-Wee Liu