

International Conference on Communications Convergence and Broadband Networking (ICCBN) 2008

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These slides are available on-line at:

<http://www.cse.wustl.edu/~jain/talks/iccbn08.htm>

Convergence



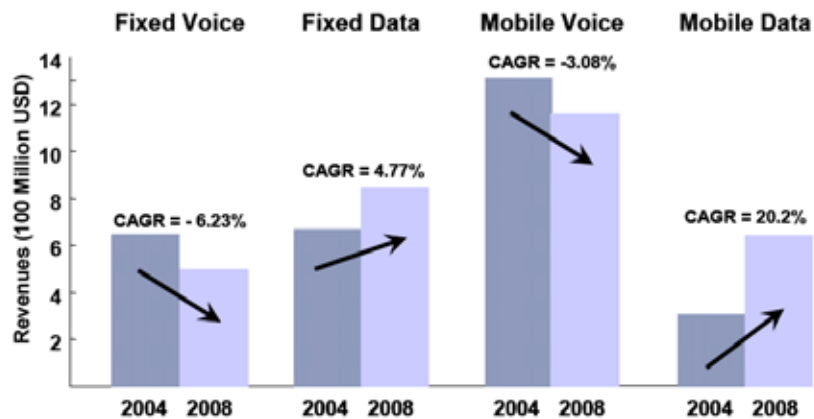
1. Convergence of Industries: Telecom and Networking
ITU vs. IETF/IEEE
2. Convergence of Switching – Circuit vs. packet
3. Convergence of Protocols - IP
4. Convergence of Services - Voice, Video, and Data
5. Convergence of Devices - Desktop, Laptop, Palmtop

Telecom Revenue

	Revenue in Billions						Annual Growth
	2003	2004	2005	2006	2007	2008	
Video	0.2	0.3	.05	1.0	1.6	2.5	65.7%
Consumer Broadband	2.8	3.5	4.0	4.2	4.6	4.8	11.4%
Consumer long distance	20.7	18.2	16.0	13.6	11.3	9.2	-15.0%
Business local	26.3	26.7	26.4	26.1	25.8	25.5	-0.6%
Business long distance	26.1	24.5	23.0	21.3	19.7	18.2	-7.0%
Business data	44.8	45.6	46.6	47.1	46.8	45.4	0.3%
Consumer local	46.9	42.2	39.0	36.2	34.0	32.3	-7.25%
Wireless	91.5	108.7	119.2	132.8	144.5	153.6	10.9%
Total	260.7	271.5	277.0	285.0	291.3	294.9	2.5%

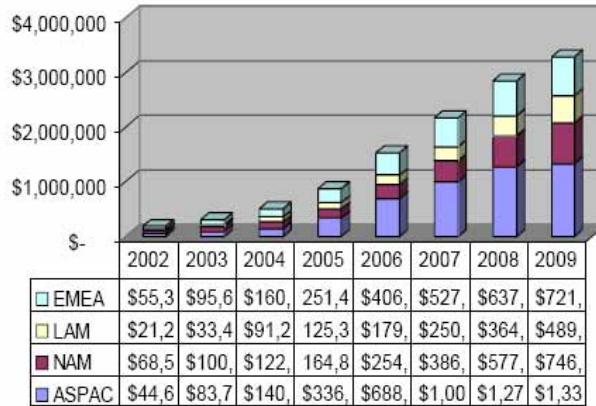
- ❑ 48% revenues are from wireless.
- ❑ 26% of revenue from data (vs. voice)
- ❑ Source: Instat/MDR (Business Week, Feb 28, 2005)

Voice and Data Revenues (Korea)



Source: KISDI 2004

Broadband Market by Regions



- ASPAC and EMEA leading the growth

Source: Skylight Research

Industry Watch



Deepak Bhagchandaney Vivek Vasishta Sridhar Pai Shankar Prasad



Srinivas Reddy R. N. Prabhakar Mallikarjun Rao C.S. Rao



S.R. Arun Paranjoy Guha Thakurta

Industry Track



Hamid Ahmadi



S. Raghunandan



Lakshman Krishnamurthy



Keith Mendonca



Monhan Hebbar



Madan Mohan Raj



Vinod Sood

Technical Program

- Cellular communication and Performance Evaluation
- Security in Next Generation Networks
- Broadband Communication Systems and 3G networks
- Next Generation Application

- Advanced Communication and Networking (Invited)
- High-Speed Networking Technologies (Invited)

From 114 submissions, 22 were accepted as papers and 14 as posters.



Tutorials

1. Embedded Linux – Dr. Darshak Vasavada (Allgo Systems)
2. Mobile Phone Operating System: Architecture, Issues and Pitfalls – Dr. Keith de Mendonca (Symbian)
3. Nano Technology – Dr. Murali Kota (IBM Research Labs)
4. Insights in to IEEE 802.16e (WiMAX) PHY and MAC Layers Design Concepts and Road Ahead – Mr. Prasad VTSV (Samsung)
5. Innovation and Intellectual Property Management – Mr. Neeraj Gupta (FormulateIP)
6. Effective Programming – Dr. Nirmal Sancheti (Allgo Systems)

Errata: Nano Technology and Innovation and Intellectual Property Management are interchanged in the printed program.



Bar Camp

- OSScamp Bengaluru Mobile 2008
- Open Source and Mobile Technology
- 134 Participants already registered
- Open free registration
- CEDT Building,
Saturday, July 19th and Sunday July 20th

Sponsors and Partners



Washington University in St. Louis

<http://www.cse.wustl.edu/~jain/talks/icbn08.htm>

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Banquet Dinner



- Thursday, 17th, at 7PM

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Senior Professors

- ❑ Prof. V. Rajaraman, IISc Bangalore / IIT Kanpur
- ❑ Prof. H. N. Mahabala, IIT Madras / IIT Kanpur / IIT Bangalore
- ❑ Prof. P. C. P. Bhatt, IIT Delhi / IIT Kanpur / IIT Bangalore
- ❑ Prof. K. V. V. Murthy, IIT Bombay
- ❑ Prof. L. M. Patnaik, IISc Bangalore
- ❑ Prof. C. R. Muthukrishnan, IIT Madras

Our Team



- ❑ Program Chairs:
 - Ravi Mittal, Aricent
 - Abhijit Lele, Samsung
 - C. Siva Ram Murthy, IIT Madras
- ❑ Organizing Chair: S.K. Sinha, IISc Bangalore
- ❑ Industry Watch Chairs:
 - S. M. Srinidhi, Prometheus
 - Deepak Kataria, LSI
- ❑ Registration: Keshav Babu, ACS Office
- ❑ Finance Chair: Rathna G N, IISc Bangalore

Our Team (Cont)

- ❑ Exhibit Chair: Ganga Prasad, CDAC Bangalore
- ❑ Publication and Web Chairs:
 - K. R. Venugopal, UVCE Bangalore
 - B. S. Bindhumadhava, CDAC Bangalore
- ❑ Publicity Chair: Vijaya K Konangi, Cleveland State U
- ❑ Tutorial and Workshop Chairs:
 - Vinod Sood, Hughes Systique
 - Hari Vasudev, Yahoo India
- ❑ Industry Liaison Chair: H. S. Jamadagni, IISc Bangalore

Next Year



- ❑ General Chair:
Dr. Sudhir Dixit, Nokia-Siemens Networks
- ❑ Planning Meeting on Thursday at 4:30PM

Thank You!

