



IEEE Mini-Symposium on Satellite Communications

Closing Remarks

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Technical Program

- Satellite Communications within BC's Wireless Cluster
- The Evolution of the ORBCOMM Land Mobile Satellite System
- Land Mobile Satellite Coverage in Urban and Suburban Environments
- Monitoring Ocean Buoys via Satellite
- A Portable Satellite Terminal for News Gathering or Two-way Data Communication
- Monitoring Remote BC Hydro Substations by Satellite
- Cross-layer Enhancement of TCP Split-connections over Satellite Links
- CASCADE: A Smallsat System Providing the Global, High Quality Movement of Very Large Data Files

Major Themes

- Satellite Communications is a visible and significant component of BC's Wireless Cluster; the major players have strong international reputations
- The role of Satcom has evolved greatly over the past forty years; current R&D activity focuses on turning "anytime, anywhere" into a global proposition
- Satcom began in the C-band, and mobility applications initially focussed on UHF and L-bands, but the leading edges of R&D activity have pushed above (into the Ku/Ka bands) and below (into the VHF bands)
- Technical excellence is important, but economics are key; developing sustainable markets is the key to developing a stable and prosperous Satcom industry

The IEEE Mini-Symposium on Satellite Communications CDROM

The complimentary CDROM contains copies of:

- all of the presentations
- the Handbook of Propagation Effects for Vehicular and Personal Mobile Satellite Systems - Overview of Experimental and Modeling Results by J. Goldhirsh and W.J. Vogel (348 pp.)
- the NASA Propagation Effects Handbook for Satellite Systems Design, Fifth Edition, by L.J. Ippolito (421 pp.)

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- Thank you to our speakers for taking the time to prepare interesting and informative presentations!
- Thank you to all of you, for taking the time to attend!

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