



# Panel Discussion: 100 Gig and Beyond

Experience, perspectives, and futures..

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CERN

Jerry Sobieski (moderator)

NORDUnet



# The Distinguished Panelists:

- **Lars Fischer**
  - Chief Technology Officer, NORDUnet
- **Inder Monga**
  - Area Lead, Research and Services, ESnet
- **Bill St. Arnaud**
  - Network GURU and Green Futures Seer
- **Dave Yeung**
  - Director, Transport Network Systems Ciena
- **Maurizio Gazzola**
  - Sr. Product Line Manager, Optical Transport BU, Cisco

# For consideration...

- 1 Where will the first deployments of 100 Gb/s networking be undertaken - in core or access networks, on terrestrial or undersea links?
- 2 Where are the initial 100 Gb/s rollouts likely to be - commercial or research/education environments ?
- 3 Is 100 Gb/s cost effective - why not just use  $n \times 10$  or  $n \times 40$  Gb/s links?
- 4 Which applications can take advantage of 100 Gb/s networks, or indeed do any applications need 100 Gb/s?
- 5 What's the energy profile of 100 Gb/s equipment and how can this be reconciled with a commitment to lower power consumption?
- 6 Does 100 Gb/s represent a quantum leap forward, or is it just a faster version of existing networks?
- 7 What's beyond 100 Gb/s?