



NETWORKS

LUMINOUS

July 11-13, 2000

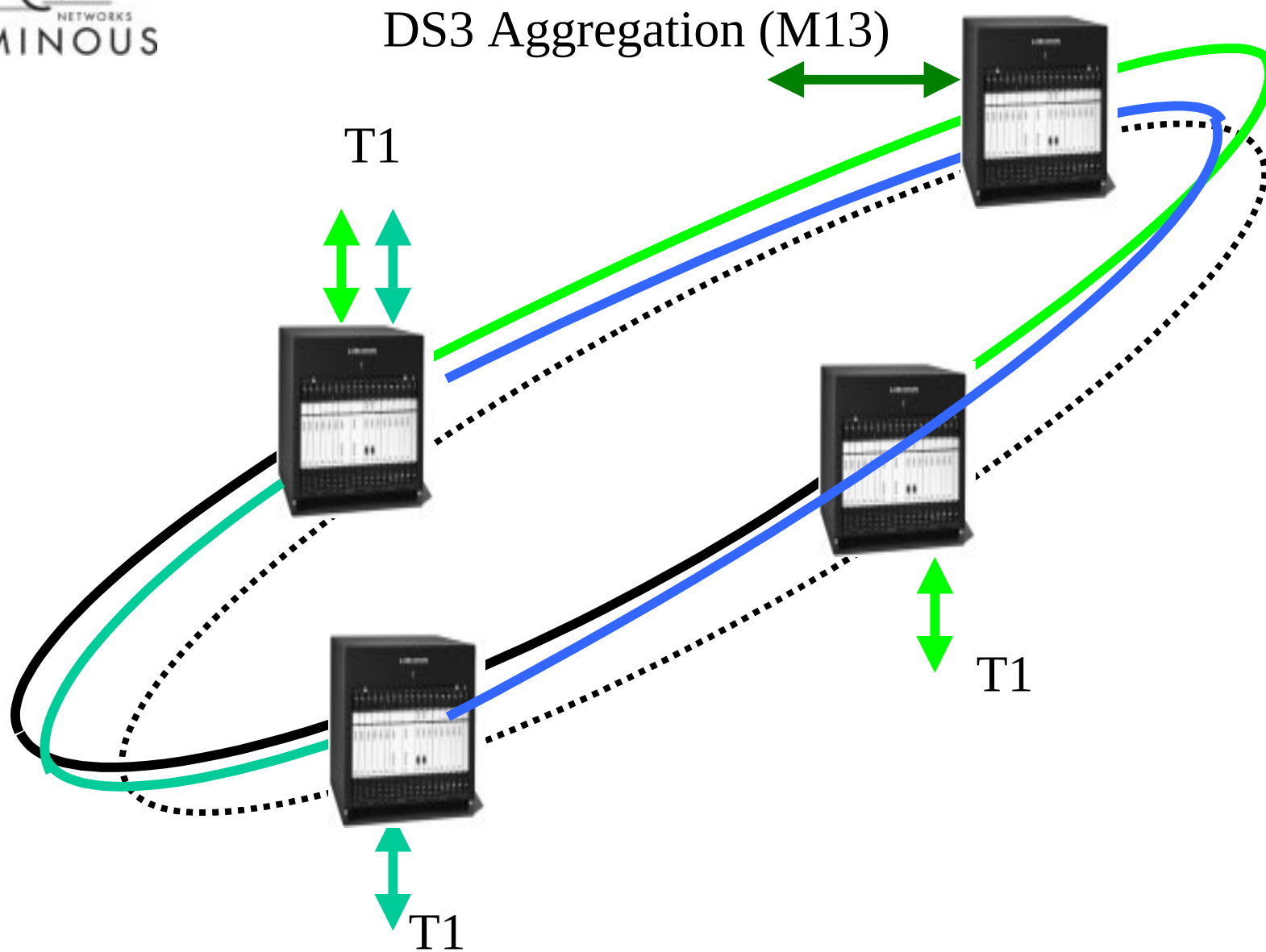
IEEE 802 Plenary – La Jolla, CA: RPRSG

Agenda

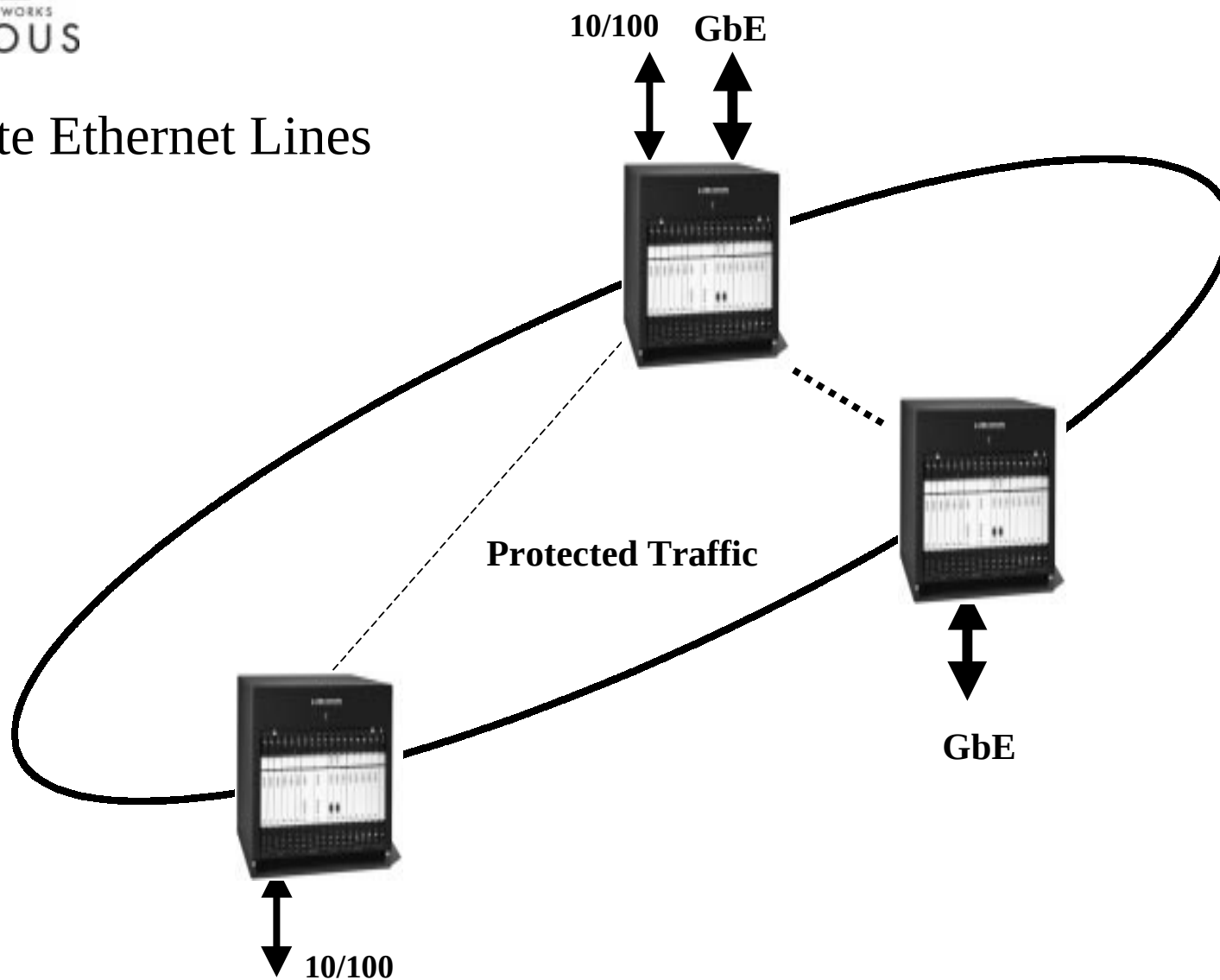
- Luminous Solutions & ring header – Raj Sharma
- Topology discovery & protection- Jason Fan
- Fairness on Ring – Sanjay Agrawal

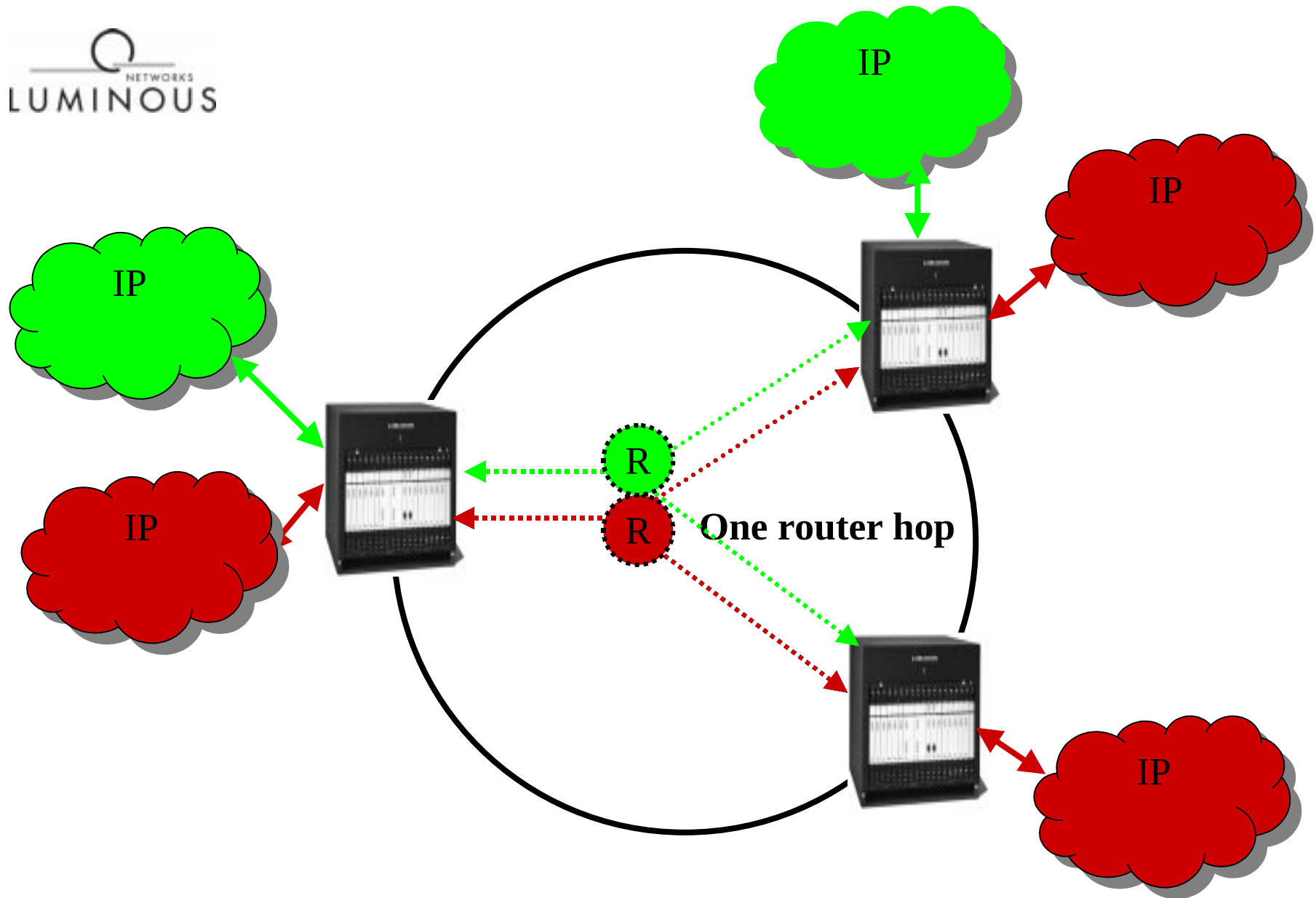
Solutions

- Packet based network running directly on a fiber ring.
- End-to-end TDM synchronous voice trunks.
 - Stratum clock distribution
- Packet/Frame based data services
 - L1: “Leased wire” model
 - L2 based VPNs
 - L3 based VPNs



Private Ethernet Lines





Ring Header

Bytes	Definition	
1	Address Mode	Version
1	Header Checksum	
1 or 6	Destination Address	
1 or 6	Source Address	
2	Protocol Type	
2	Tag/Mode	
1	Additional Tag	Class of Service 3 bits, Label Stack 1
1	Time To Live	
0 to 1600	Payload	
4	Payload Frame Check Sequence	