

# Update on IEEE 1588

*IETF 86, Orlando, March 2013*

Doug Arnold  
IEEE 1588 Study Group Co-Chair

# IEEE 1588 Study Group

- Study Group Formed
  - First online meeting: Feb 22, 2013
  - First face-to-face meeting: April 2-3, 2013
- IEEE process
  1. Study group writes a PAR
  2. IEEE-SA (Standards Association) approves PAR
  3. Working Group formed
  4. Working Group drafts/revises standard
  5. IEEE-SA balloting
  6. IEEE SA approves standard

# IEEE 1588 Study Group

- Sponsored by IEEE Instrumentation and Measurement Society's Technical Committee TC-9
- Officers
  - Kang Lee (NIST), Sponsor, Project Manager
  - John Eidson, (UC Berkeley): Co-Chair
  - Doug Arnold (Symmetricom): Co-Chair
  - Hans Weibel (ZHAW), Vice-Chair
  - Silvana Rodrigues (IDT): Secretary
  - John Mackay (Progeny Systems): Editor
- Face-to-face agenda
  - Review policy and procedures
  - Discuss PAR content
  - Draft PAR
  - Discuss 1588 subcommittees

# PAR Proposal Highlights (so far)

- Fix inconsistent or unclear passages
- Address Transparent clock layer violation
- High precision extensions
- Standard 1588 MIB
- Security
- Multi-path PTP
- Mixed multicast/unicast PTP
- New mappings: 40GE, 100GE, HSR, PRP
- **Maintaining backwards compatibility will be a high priority!**