

List of Publications

1. **Liang W**, Satyan N, Aflatouni F, Yariv A, Kewitsch A, Rakuljic G, Hashemi H, “Tiled-aperture Coherent Beam Combining Using Heterodyne Optical Phase Lock Loops,” *In preparation*.
2. **Liang W**, Satyan N, Aflatouni F, Yariv A, “Cloning the Coherence Property of a Low Noise Fiber Laser to Semiconductor Lasers Using Heterodyne Optical Phase Lock Loops,” *In preparation*.
3. Satyan N, **Liang W**, Yariv A, Kewitsch A, Rakuljic G, Aflatouni F, Hashemi H, “Phase-controlled Apertures using Heterodyne Optical Phase-Lock Loops,” *submitted to Photonics Technology Letters*.
4. **Liang W**, Satyan N, Aflatouni F, Yariv A, Kewitsch A, Rakuljic G, Hashemi H, “Coherent beam combining with multi-level optical phase lock loops,” *JOSA B*, **24**, pp. 2930-2939 (2007).
5. **Liang W**, Satyan N, Yariv A, Kewitsch A, Rakuljic G, Aflatouni F, Hashemi H and Ungar J, “Coherent Combining of High Power MOPA Semiconductor Lasers Using Optical Phase-Lock Loops (OPLLs),” *Optics Express*, **15**, 3201-3205 (2007).
6. **Liang W**, Yariv A, Kewitsch A and Rakuljic G, “Coherent Combining of Two Semiconductor Lasers Using Optical Phase-Lock Loops (OPLLs),” *Opt. Lett.* **32**, 370-372, 2007.
7. **Liang W**, Satyan N, Yariv A, Kewitsch A, Rakuljic G, Aflatouni F, Hashemi H, “Coherent beam combining with OPLLs,” *SPIE Photonics West*, 2008.
8. **Liang W**, Satyan N, Yariv A, Kewitsch A, Rakuljic G, “Narrow Linewidth High Power Semiconductor MOPA Achieved Using Optical Phase Lock Loops (OPLLs),” *Frontiers in Optics*, 2007.
9. Yariv A, **Liang W**, Satyan N, Kewitsch A, Rakuljic G, “Coherent Combination of Semiconductor Lasers Using Optical Phase Lock Loops,” *IEEE International Topical Meeting on Microwave Photonics*, Victoria, Canada, October 2007.
10. **Liang W**, Yariv A, Kewitsch A, Rakuljic G, “Coherent Combination of Two Semiconductor Lasers Using Optical Phase Locked Loops (OPLLs),” *Frontiers in*

Optics, 2006.

11. Yariv A, **Liang W**, Kewitsch A, Rakuljic G, Ungar J., “Semiconductor Lasers as Current Controlled Oscillators in Optical Phase-Lock Loops (OPLLs),” DARPA MTO RF Photonics Symposium, August 2006.