GOMACTech 2007 Technical Session Proposal and Information Form

Session Title:	Wide-Bandgap Oxides
Session Abstract (250 words):	ZnO and other wide-bandgap oxides present opportunities for next generation light emitters and electronics. The advantage of a high exciton binding energy and lattice matched substrates make ZnO a particularly attractive material for room temperature lasers and light emitting diodes. Characterization of lattice matched substrates including preparation techniques for epitaxy and defect and impurity identification are important for devices. The ability to dope p-type is another important hurdle to overcome including device stability once doping is accomplished. These and other device related issues will comprise this session aimed at ZnO LEDs, lasers and optoelectronics.

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	Invited Paper Title	**Author**	**Affiliation**
1	Characterization of Oxides for Photonics and Electronics	David Look	Wright State
2	Progress in ZnO LEDs and substrate technology	J. J. Song	ZN Technology
3	Zn(Cd,Mg)O Alloys and development of Hybrid LEDs	Andrei Osinsky	SVT Associates
4	MOCVD based ZnO LEDs	Ming Pan	Cermet