THE 15TH INTERNATIONAL CONFERENCE ON CRYSTAL GROWTH
in conjunction with
THE 13TH CONFERENCE ON VAPOR GROWTH AND EPITAXY
and
THE US BIENNIAL WORKSHOP ON ORGANOMETALLIC VAPOR PHASE EPITAXY
will be held
AUGUST 12 - 17, 2007, SALT LAKE CITY, UTAH

The following abstract has been submitted:

Session:	Date: Time: Room:
ADVANCED CHARACTERIZATION OF DEFECTS	Not Yet Scheduled

Title:

Effect of structural defects on stimulated emission (or lasing) in $KY_{0.8}Yb_{0.2}(WO_4)_2/KY(WO_4)_2$ and $KLu_{0.8}Yb_{0.2}(WO_4)_2/KLu(WO_4)_2$ epitaxial structures: An investigation by X-ray white beam topography.

Edit Title

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Edit Abstract

Abstract:

Yb^{3+} has long been recognized as a dopant with potential for diode-pumped solid state lasers in the 1 mm region, that may allow the development of compact, reliable and inexpensive lasers. Yb^{3+} doped materials possess several important advantages over the widely used Nd^{3+} that help to increase the energy-storage time, reduce thermal load, and eliminate possible unwanted competitive processes. In addition, laser efficiency is not degraded

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