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Type: **Oral Presentation**

## Implementation of intra-cavity beam shaping technique to enhance pump efficiency

*Thursday, 14 July 2011 08:30 (15 minutes)*

In this work we propose an implementation of a new intra-cavity beam shaping technique to vary the intensity distribution of the fundamental mode in a resonator cavity while maintaining a constant intensity distribution at the output. This method can be useful for fitting a transversal intensity profile of the required mode with a pump beam profile in the region of the active medium to increase mode discrimination.

**Level (Hons, MSc, <br> &nbsp; PhD, other)?**

Dr

**Consider for a student <br> &nbsp; award (Yes / No)?**

No

**Would you like to <br> submit a short paper <br> for the Conference <br> Proceedings (Yes / No)?**

No

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**Session Classification:** LOS

**Track Classification:** Track C - Lasers, Optics and Spectroscopy