

## **CRITICAL REVIEW OF RESEARCH IN USE OF LASER BEAM WELDING IN AUTOMOTIVE SECTOR**

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### **Abstract**

An up-to-date progress of the international laser research and development is given in this paper. The growth of the laser beam welding(LBM) and related fields is described in terms of technical paper presentation for the period of 1992–2011. Review of research done in LBM applied to automotive sector is given in view of knowledge development. Some research gaps are identified and scope of development of expert system for LBM process with its application to automotive sector has been presented, also how this can be applied in the future development of the laser technology has been discussed.

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**Keywords:** Laser welding, automotive, data mining, and laser welding parameters.

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