

# IAPR MVA2011

**Proceedings of MVA 2011  
IAPR Conference on Machine Vision Applications  
June 13-15, 2011  
Nara Centennial Hall, Japan**

Sponsored by  
MVA Organization  
IAPR TC-8  
NAIST

***PROCEEDINGS OF  
THE TWELFTH IAPR CONFERENCE ON  
MACHINE VISION APPLICATIONS***

***June 13-15, 2011***

***Nara Centennial Hall, Nara***

***JAPAN***

PROCEEDINGS OF THE TWELFTH  
IAPR CONFERENCE ON MACHINE VISION APPLICATIONS

MVA2011

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