## **Accepted Manuscript**

Combining Sparse coding with Structured Output Regression Machine for Single Image Super-Resolution

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PII: S0020-0255(16)30735-6 DOI: 10.1016/j.ins.2017.12.001

Reference: INS 13294

To appear in: Information Sciences

Received date: 3 September 2016 Revised date: 22 October 2017 Accepted date: 4 December 2017



Please cite this article as: Yongliang Tang, Weiguo Gong, Qiane Yi, Weihong Li, Combining Sparse coding with Structured Output Regression Machine for Single Image Super-Resolution, *Information Sciences* (2017), doi: 10.1016/j.ins.2017.12.001

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### **Highlights**

- The structured output regression machine (SORM) is improved by considering the correlation and independence between different output components.
- The model combine sparse coding with the improved SORM is used to SISR.
- The global and nonlocal optimization with a new similarity weight is proposed to further improve the reconstructed HR images.

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