



Image processing based fold cracking assessment of coated papers and paperboards

COST FP₁₄₀₅

ACTIVE AND INTELLIGENT FIBRE-BASED PACKAGING – INNOVATION AND MARKET INTRODUCTION

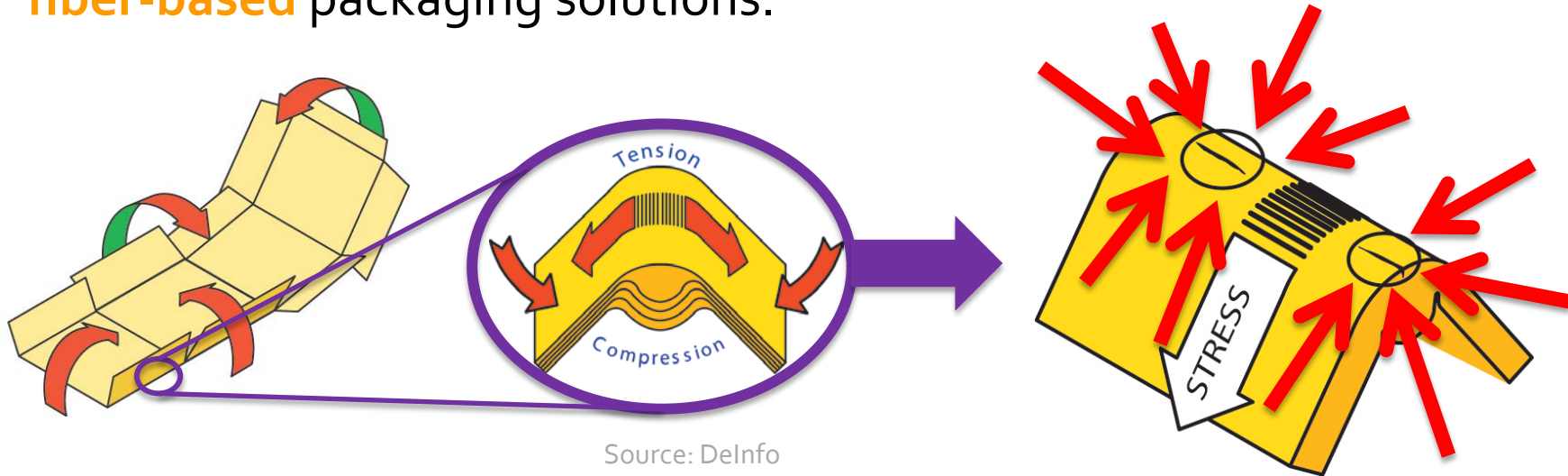
09/11/2017



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Creasing and folding - fold cracking

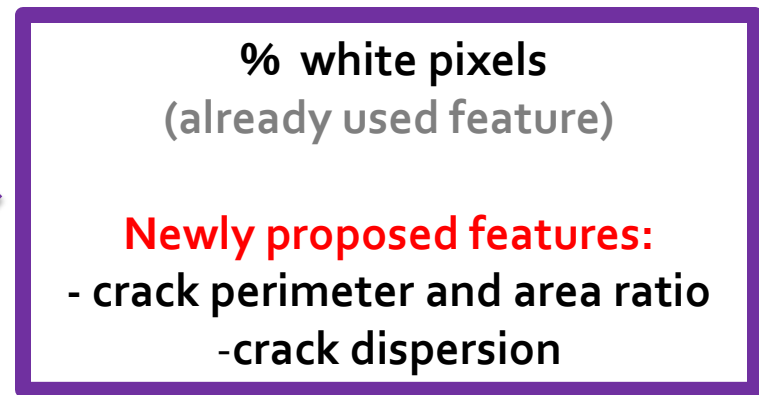
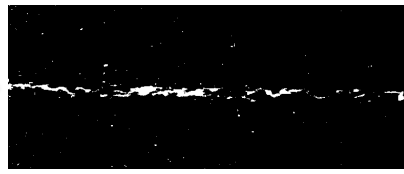
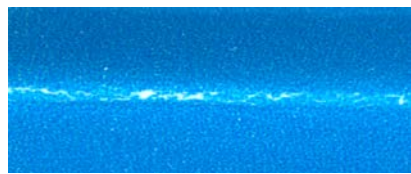
- **Creasing and folding** - basic **converting** operations for **fiber-based** packaging solutions.



- **Surface damages:** from **aesthetic** to **functional insufficiencies**.
- **Fold-crack resistance** - important property, tested by mechanical properties and **visual appearance**.

Image processing

Image **feature** + image **processing** with **content analysis**
= **objective visual assessment**



- **Quantitative** and **qualitative** characterization of the fold-crack resistance of coated papers and paperboards.
- The proposed image features **faithfully** describe the surface damages and **correlate well** with the **reference** measures.



ACKNOWLEDGEMENT

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