



## Motivation and Relevance

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- **Powder recycling** is of great interest in PBF-LB/M to reduce consumption of resources and the related manufacturing costs
- What little research is present mostly focusses on **bulk** effects not on the effects of **individual particles** thereby preventing deeper understanding of possible issues

## Approach

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- **Fluorescence imaging** can be utilized to induce and image fluorescence in a variety of materials and is often used in microscopy

## Results

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- Using this approach, individual contaminant particles can be imaged even with low-cost camera systems, allowing the user to monitor powder contamination and possibly allowing automatic intervention by the machine to move contaminants to non-critical areas

## Research Area

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- Productivity
- Especially demanding applications like aerospace etc.

## Picture

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## Contact

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