



Winter School

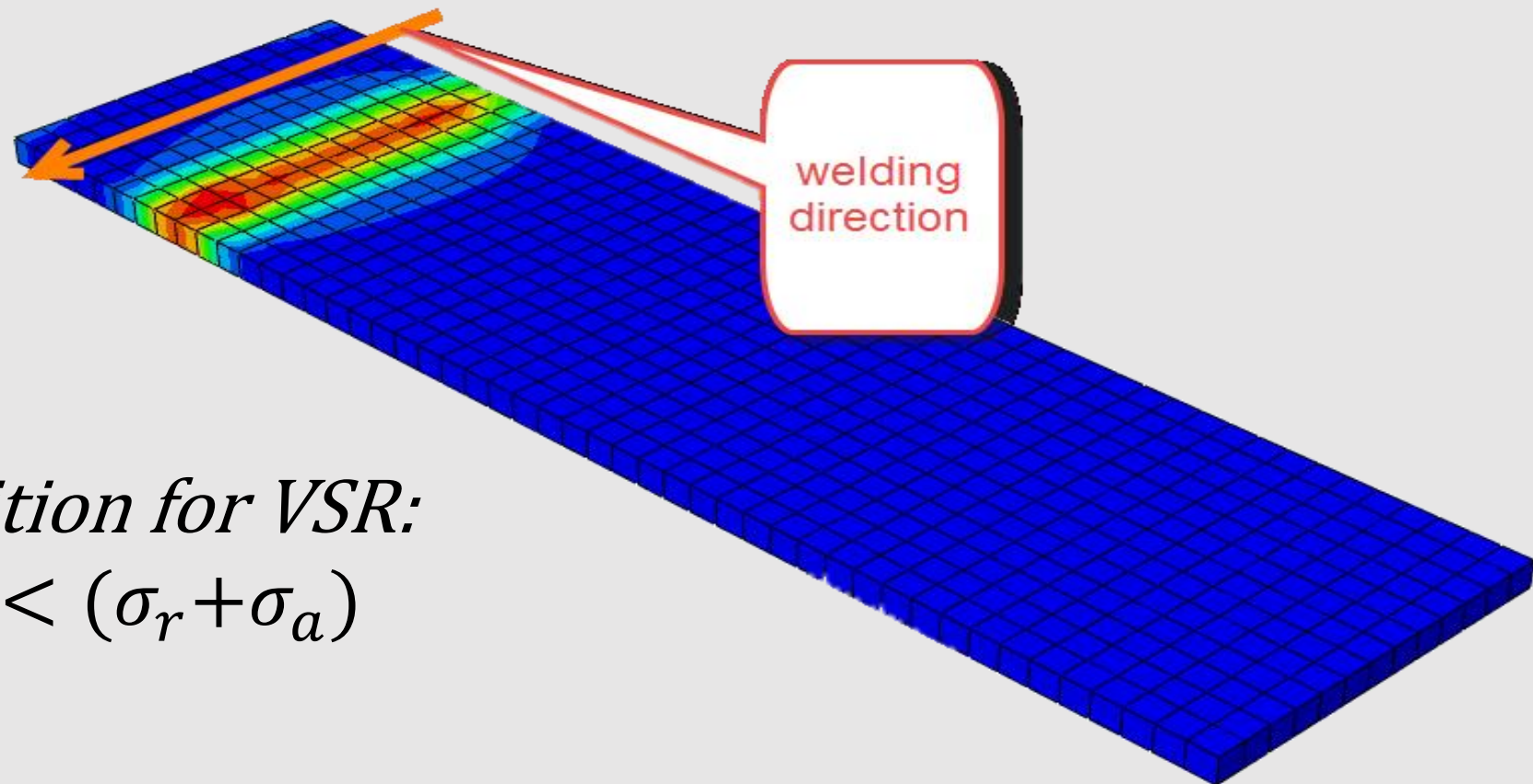
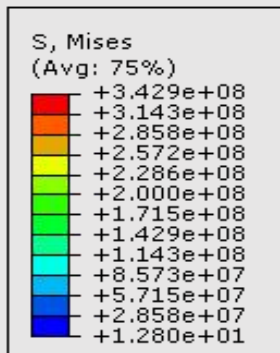
Trends on Additive Manufacturing for Engineering Applications

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A Simple Beed On Plate Welding Simulation



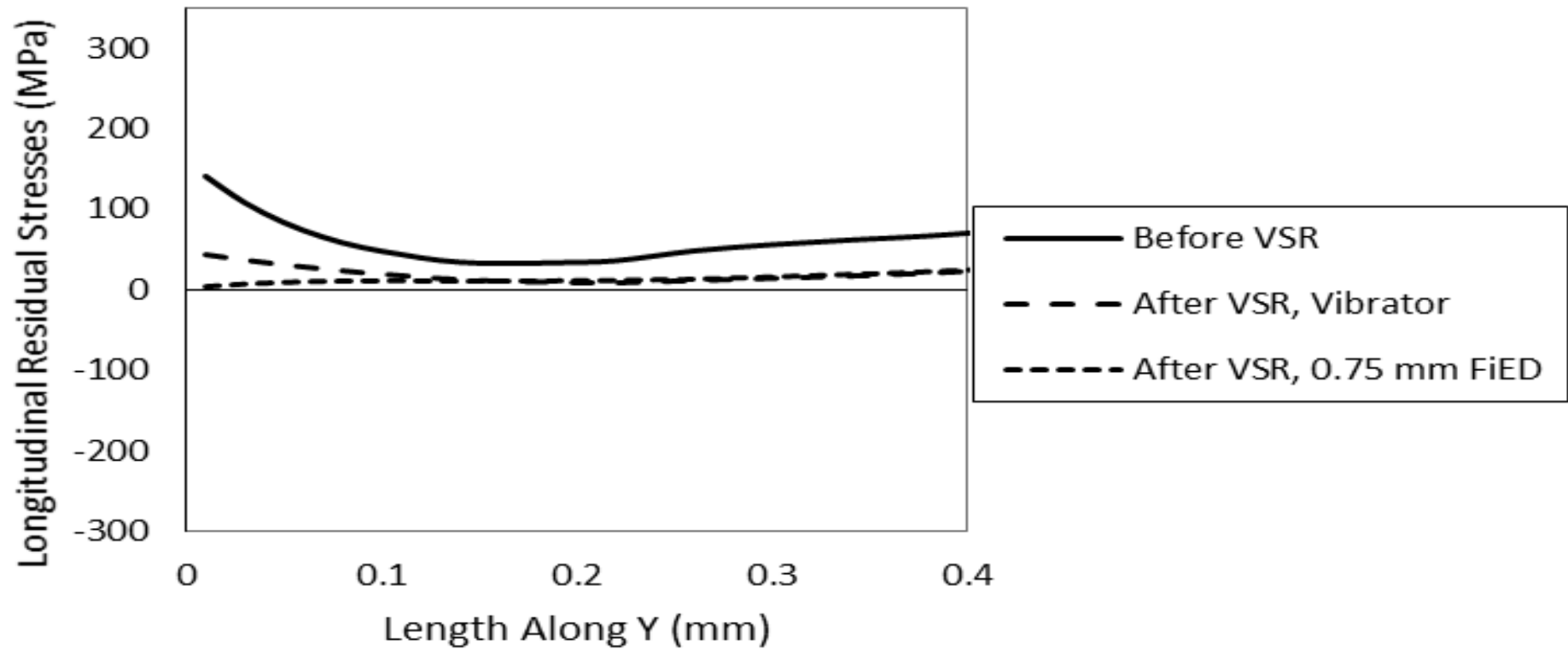
Condition for VSR:

$$\sigma_y < (\sigma_r + \sigma_a)$$

Experiments



Results



- Metal Additive Manufacturing
- Phase transformation of printed materials
- Life assessment? SHM?
- Triply Periodic Minimal Surface Scaffolds
- Life assessment? SHM?

Thank you for your attention

- Polytechnic University of Timisoara (UPT) & Online

