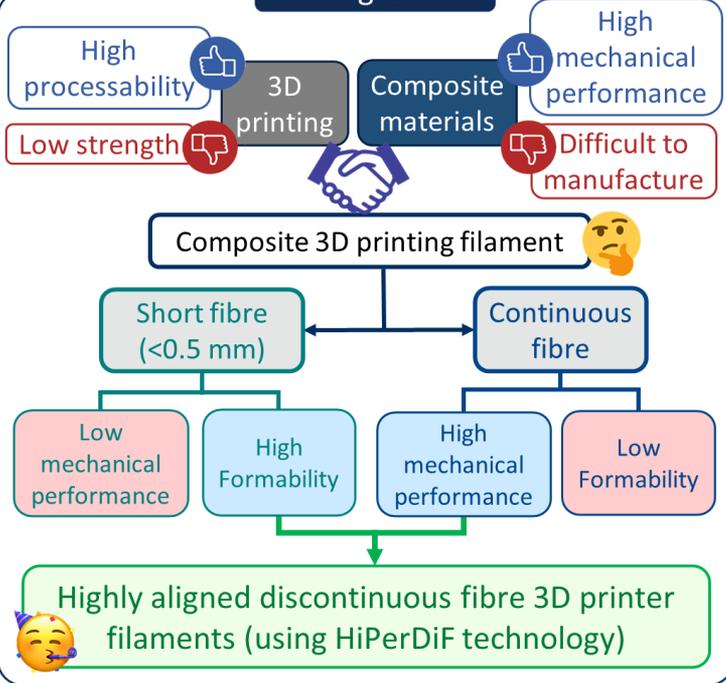


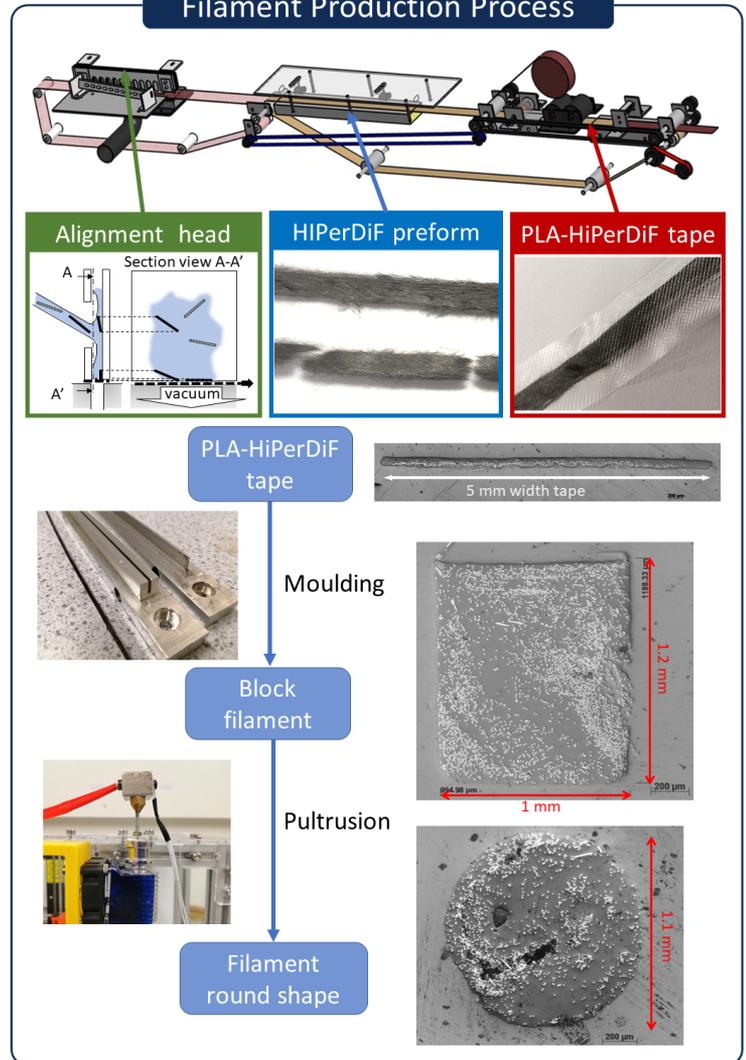
Highly aligned discontinuous fibre thermoplastic filaments as feedstock for additive manufacturing

Narongkorn Krajangsawasdi, Marco L. Longana, Lourens G. Blok, Ben K.S. Woods, Ian Hamerton, Dmitry S. Ivanov

Background

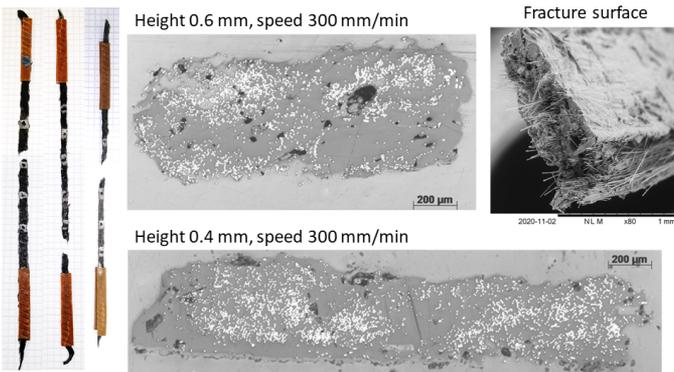


Filament Production Process

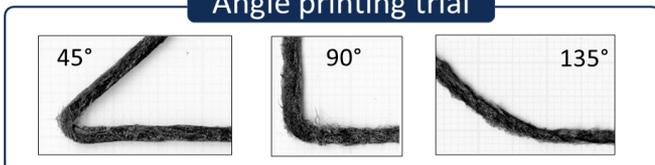


Printing line

- Printing one line at different speed and nozzle height
- Tensile testing of the printed line
- Investigate cross section and fracture surface



Angle printing trial



Compared tensile strength with literatures

