

Special Session on:

DIGITAL TECHNOLOGIES FOR CIRCULAR MANUFACTURING

Code: icgm9

Dear esteemed colleagues.

We cordially invite you to join us for a special session on “Digital technologies for Circular Manufacturing” at the upcoming 11th IFAC Conference on manufacturing Modelling, Management and Control.

Product circularity rest on manufacturers being the source of both products and product related services. Circularity needs behoove manufacturers to take on more ambitious circular strategies supporting the total life cycle of their products affecting actors across the extended value network. Data driven solutions are seen as an enabler of circular design, optimized production processes, enhanced resource utilization by narrowing and slowing product handling loops.

Manufacturers enable product related services in reuse, remanufacturing, disassembly, recycling, and waste management affecting the entire supply chain. However, digitalization brings its own challenges by being the source of an increasing waste stream, and by increasing the data volumes dramatically. This special session aims to shed light on the latest advancements in how digital technologies contribute to circular manufacturing practices.

Sincerely

Terje Andersen

terje.andersen@himolde.no

Molde University College

Bjørn Jæger

bjorn.jager@himolde.no

Molde University College

Agaraoli Aravazhi

agaraoli.aravazhi@himolde.no

Molde University College

Lise Lillebrygfjeld Halse

lise.l.halse@himolde.no

Molde University College

Alok Mishra

alok.mishra@ntnu.no

NTNU