



Technical Area

The NAFEMS Manufacturing Process Simulation (MANWG) working group is concerned with the numerical predication of process parameters and the resulting material state derived from simulation of the physical phenomena underpinning the manufacturing process. The MANWG is interested in the simulation of a wide range of manufacturing techniques including but not limited to additive manufacturing, assembly, casting, composites, forging, forming, heat treatment, injection blow moulding, machining and stamping.

The work of the MANWG is supported by three focus groups that cover the following areas:

- Metallic Additive Manufacturing
- Metals Manufacturing Process Simulation
- Composites Manufacturing

Working Group Byelaws

1. Members of the Manufacturing Process Simulation Working Group are expected to contribute to the activities of the parent working group and/or one of the focus groups. Members are welcome to participate in more than one focus group.
2. Potential new members should submit a CV either to the chairman of the Manufacturing Process Simulation Working Group or to the chairman of the focus group in which they will participate. Potential new members should indicate their knowledge and experience of industrial manufacturing process simulation. This CV will be reviewed by the relevant group and if approved the person will be invited to attend meetings and participate in the group.
3. Members are listed on minutes as attending, contributing, apologies or no communication.
4. Contributions include:
 - a. attending and actively participating in working group meetings,
 - b. sending relevant comments or reports on agenda items to the chairman in good time for the meeting,
 - c. volunteering for and carrying out actions arising from the meetings,
 - d. significantly participating in discussions or other activities on the working group collaboration tools.
 - e. carrying out reviews of journal papers
5. If a member does not contribute for more than 9 months, they will be warned their membership of the working group may be terminated. This will happen after 12 months of non-contribution at the discretion of the chairman.
6. At least two thirds of the working group membership shall be associated with current NAFEMS member organisations. A check on the consistency of the working group will be made following submission of the NAFEMS annual report.
7. At the discretion of the chairman, participation in the working group can be split between up to three people from the same organisation to reduce the individual workload.

Wednesday, 15 August 2018



Generic set of terms of reference circulated for comment to the MANWG

8. The position of chairman is open for review every three years on the anniversary of the initial appointment. There is no requirement for the role to be rotated. Only full members of the working group may vote or be nominated as chairman.
9. The chairman should aim to circulate an agenda to the working group a minimum of one week prior to the upcoming meeting
10. The working group should aim to meet a minimum of four times per year
11. Minutes will be taken for all meetings and actions identified by a scribe selected from the working group.