Surfacing and particulate engineering are two important powder technology areas, which are closely linked, with several materials issues associated with them. Powder production routes and characterisation are strongly related, and influence the outcome of any powder based process application. Powder based coatings, for example, have been developed over the years for several industry sectors that range from construction and engineering, automotive, power, aerospace, oil and gas to medical. Similarly, near net shape parts manufactured by powder processing routes, including powder metallurgy, are also very attractive from a high materials utilisation point of view, and have been employed on an industrial scale for many years.

There is a continuing demand for high value added manufacturing through near net shape and surfacing solutions towards an improved efficiency and performance in increasingly challenging operation conditions. The need can be met by developing novel design methods and supporting innovative material technologies.

This one day event, open to everyone, will bring together experts and lead technologists, with the aim of capturing the state-of-art through presentations and discussions. The programme, including a tour of TWI’s surfacing facilities, will present an ideal opportunity for sharing knowledge on the latest research and development, and key materials issues in this important technical area. It will also provide an invaluable forum for networking and professional development.

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