

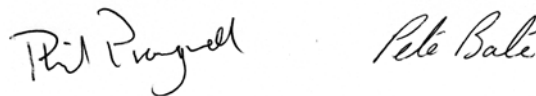
PREFACE

There is no doubt that deformation and annealing phenomena are of great technical significance to the industrial processing and application of materials. While there are several conference series that deal with some aspects of these topics, there are few opportunities to tie together these two closely related themes at a fundamental level. This symposium was thus designed as a one-off vehicle for reviewing current understanding of the basic mechanisms and processes that control deformation and annealing behaviours in metals and materials, as well as their modelling and simulation. The meeting further aimed to facilitate a discussion of the failings of established theories, explore new ideas, and identify avenues where future research is required. Papers were presented that applied these concepts to a wide range of materials and applications; from conventional steels and light alloys to nanocrystalline gold wires and geological samples.

The symposium was inspired by the research interests of Professor John Humphreys, who has made an outstanding contribution to this field over many years and coincided with his official “retirement“ from Manchester University, School of Materials. The symposium provided an opportune moment to review the state of the art and encourage a new generation of scientists to take up the challenge of tackling the remaining critical outstanding issues, in deformation and annealing, that this meeting aimed to highlight.

Attendance at the meeting was far higher than anticipated, with twenty keynote and over eighty contributed papers presented in this proceedings. All papers were refereed to an international journal standard.

The organisers are grateful to the sponsors, the refereeing committee, and the many willing helpers who assisted with the logistical arrangements and running the meeting, all of whom are listed on the proceeding page.

The image shows two handwritten signatures in black ink. The signature on the left is 'Phil Prangnell' and the signature on the right is 'Pete Pate'. Both are written in a cursive, slightly slanted style.

Phil Prangnell and Pete Pate