Textures and Microstructures, 1989, Vol. 10, pp. 389–391
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Printed in the United Kingdom

ANNOUNCEMENT

ICOTOM 9

NINTH INTERNATIONAL CONFERENCE ON TEXTURES OF MATERIALS

Palais des Papes
Avignon, France

17–21 September 1990

Referring to the previous conferences, ICOTOM 9 is intended to be a pleasant gathering of fundamentalist scientists and industrial partners as well as a symposium which is to a great extent open to young university people or engineers facing issues related to anisotropy. One of the major topics in this field is the optimization of **the texture and microstructure** of the materials for the purpose of improving the application profile.

The **Texture and Microstructure 'Design'** becomes as a matter of fact a very important tool to be taken into consideration and to be promoted.

In the course of this International Conference, and beside the traditional themes, emphasis will be laid on the study of the crystallographic textures – local ones in particular – and of the morphological textures together with their correlations with the microstructure. Mono- and polyphase metallic materials

will be dealt with as well as non-metallic materials, such as polymers, ceramics, rocks, etc.

In this respect emphasis will be laid on the following themes:

1. The methodology and experimental aspects linked with the determination of local textures, quantitative characterization of the topological arrangement of the crystallites in a polycrystalline aggregate.
2. The development of texture using new processes i.e. direct casting in the form of thin sheets undergoing – or not – a rapid solidification process, deposits and thin films.
3. The optimization of the thermomechanical treatments i.e. dynamic recovery and recrystallization, precipitation–recrystallization interaction, phase transformation. Application to forging, wire-drawing and rolling.
4. The relation between the evolution of the microstructure and the one of the local and global textures during a plastic deformation. The effect of the latent hardening, internal stresses, twinning, phase transformation, deformation inhomogeneities...
5. The evolution of the deformation textures during annealing, in particular continuous annealing. Influence of the deformation inhomogeneities on the formation of new grains during primary recrystallization; the role of the chemical composition and of the characteristics of the grain boundaries regarding the normal and abnormal growth. Modelling of the recrystallization.
6. The on-line controlling of the texture and the r anisotropy ratio.
7. The relation between texture and residual stresses.
8. Textures in non-metallic materials.

Call for Papers

Extended abstracts (500 words minimum, 700 words maximum) should be submitted in camera ready form (A4: 21 × 29.7 cm) including title, authors' names and affiliations and full mailing address to the conference secretariat, Société Francaise de Métallurgie Cedex 35, F-92072 Paris la Défense, before 15 September 1989.

Authors will receive notification of acceptance by 31 January 1990.

Publication of Proceedings
The committee of ICOTOM 9 wishes to publish the full text of the communications after a normal referee procedure.

Conference Organization
Chairman: R. PENELLE (F-Orsay)
Vice-Chairman: C. ESLING (F-Metz)
Secretariat: Y. FRANCHOT (F-Paris) F. WAGNER (F-Metz)
The organization will be based on an international, an organizing and a scientific committee. It will be to a great extent supported by the working group 'Texture and Anisotropy' which is one of the theme commissions of the Société Francaise de Métallurgie.

Location
The city of Avignon is located on the river Rhône, surrounded by 5 km of ramparts, and contains many places of interest. Among them the Palais des Papes is the most splendid monument in the gothic style dating back to the 14th century.

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