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## **CORRELATIONS BETWEEN HIGH-TEMPERATURE DEFORMATION AND MICROSTRUCTURE**

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### **ABSTRACT**

High-temperature deformation in materials is highly sensitive to microstructure. Accordingly, seeking correlations between mechanical behaviour and microstructure represent an effective approach that can clarify issues or settle controversies related to high-temperature deformation. There are several microstructural techniques that can be adopted to explore the presence of these correlations. This presentation reviews examples of the application of some microstructural techniques, especially transmission electron microscopy (TEM), to several areas of high-temperature deformation.

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