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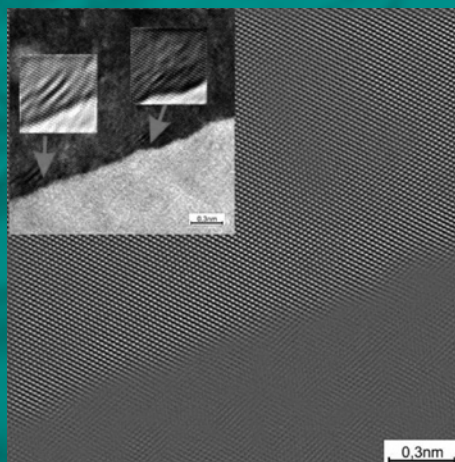
Professor

Leszek A. Dobrzanski M Dr hc
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Dear Readers!

The next issue of Archives of Materials Science and Engineering is handed over to P.T. Readers. Once again, we print the monograph on the results of materials science and foresight researches and a few other papers. One of them, characterized in details below is recommended to a special attention of P.T. Readers. As usual I encourage P.T. Authors to publish their works in successive issues of the journal, wishing the interesting reading of those published in the given issue.



The paper entitled "Changes of microstructure in CuNi25 alloy deformed at elevated temperature" by P. Sakiewicz, R. Nowosielski, S. Griner and R. Babilas on a page 98 presents behaviour of CuNi25 alloy during elevated temperature tensile tests and describes changes of microstructure of material after deformation at the range of the Ductility Reduced Area (DRA) in which the phenomenon of Ductility Minimum Temperature (DMT) is situated. During the experimental studies the course of elongation and reduction of area curves has been determined. Morphology of material after deformation at elevated temperature was analyzed. Knowledge about material properties during high temperature deformation leads to selection of the appropriate production parameters. Misapplication of parameters leads to multiplication of costs and often destruction of material during production or operating. A correct selection of technical and economical parameters of material production processes gives us supremacy in economic and technological competition. Further studies should be undertaken in order to correlate effects, processes and mechanism existing and superimpose in material in range of Ductility Minimum Temperature phenomenon, it should help to understand high temperature properties of mentioned material. Investigations of this CuNi25 alloy complete knowledge about mechanical properties and help to develop correct parameters for more effective technologies for material production.