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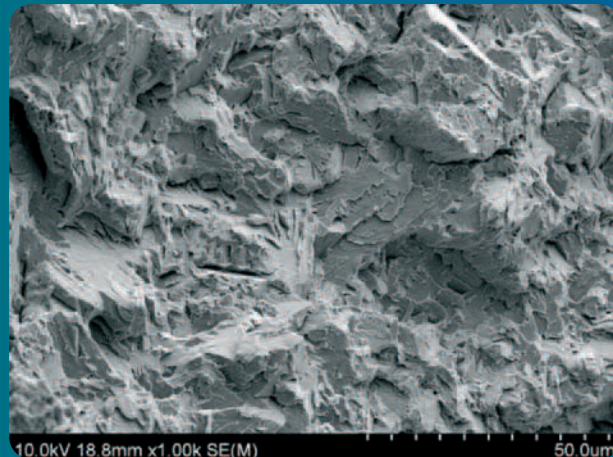


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## Selected materialographical photo



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B. Pawłowski, P. Bała, R. Dziurka, J. Krawczyk – the authors of the paper on "Effect of microstructural banding in hot-work tool steel on thermal expansion anisotropy" presented on a **page 14** focus on the study of the effect of the microstructural banding on the thermal anisotropy of hot-work tool steel used for die for aluminium alloy die-casting. They try to find possible correlation between geometrically oriented thermal expansion coefficient values and the presence of number of parallel cracks on the working surface of die. Studies were performed on the specimens which were cut from the failed prematurely die along the three axes of the coordinate system (X-axis was parallel to the cracks direction). Surface cracks of die are parallel to the microstructural banding orientation. Differences in the values of thermal expansion coefficient determined along the three axes of the coordination system probably promote cracks propagation direction. The incorrect microstructural banding orientation of the die core and related differences in the values of thermal expansion coefficient promote crack propagation.





## Dear Readers,

Today we go together with the first issue of the Journal of Achievements in Materials and Manufacturing Engineering to Slovakia. Slovakia is a wonderful secret in the heart of Europe. With the lower Carpathians and more than a hundred historic castles, Slovakia is a scenic country. An especially beautiful part of the year is winter there. That is why we present on the cover a few photos with winter landscapes of this beautiful country. The direct reason of our interest is the Seminary SEMDOK'2013 announced for 30<sup>th</sup> January – 1<sup>st</sup> February 2013. The aim of the seminar is to provide the young scientists with encouraging, stimulating environment in which they present and discuss the results of their research activities. It is organised in Žilina – Terchová by Prof. Peter Palček, Prof. Radomil Konečná, Prof. Otakar Bokůvka from the University of Žilina. The University of Žilina was established on 1<sup>st</sup> October 1953. The University of Žilina is the only university located in the northwest region of the Slovak Republic. In terms of professional profile, the University is unique in Slovakia as it has a long tradition of providing education in the fields of transport and communications. Furthermore, during the last period of development the University became an educational institution with a broad profile in many areas of science, technology, economics, management, and recently, educational and natural sciences. The University has established contacts with many universities abroad and also with the World Academy of Materials and Manufacturing Engineering.

Handing over the next issue to PT Readers, we wish an interesting reading, wishing again many professional successes and good health in the New Year 2013.

Gliwice, in December 2012

Prof. Leszek A. Dobrzanski M Dr hc  
Editor-in-Chief of the JAMME  
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