

A legforróbb munkahelyek – acélkohók és öntödék

Prof. dr. Kaptay György

ATOMKI, 2014. május 15.

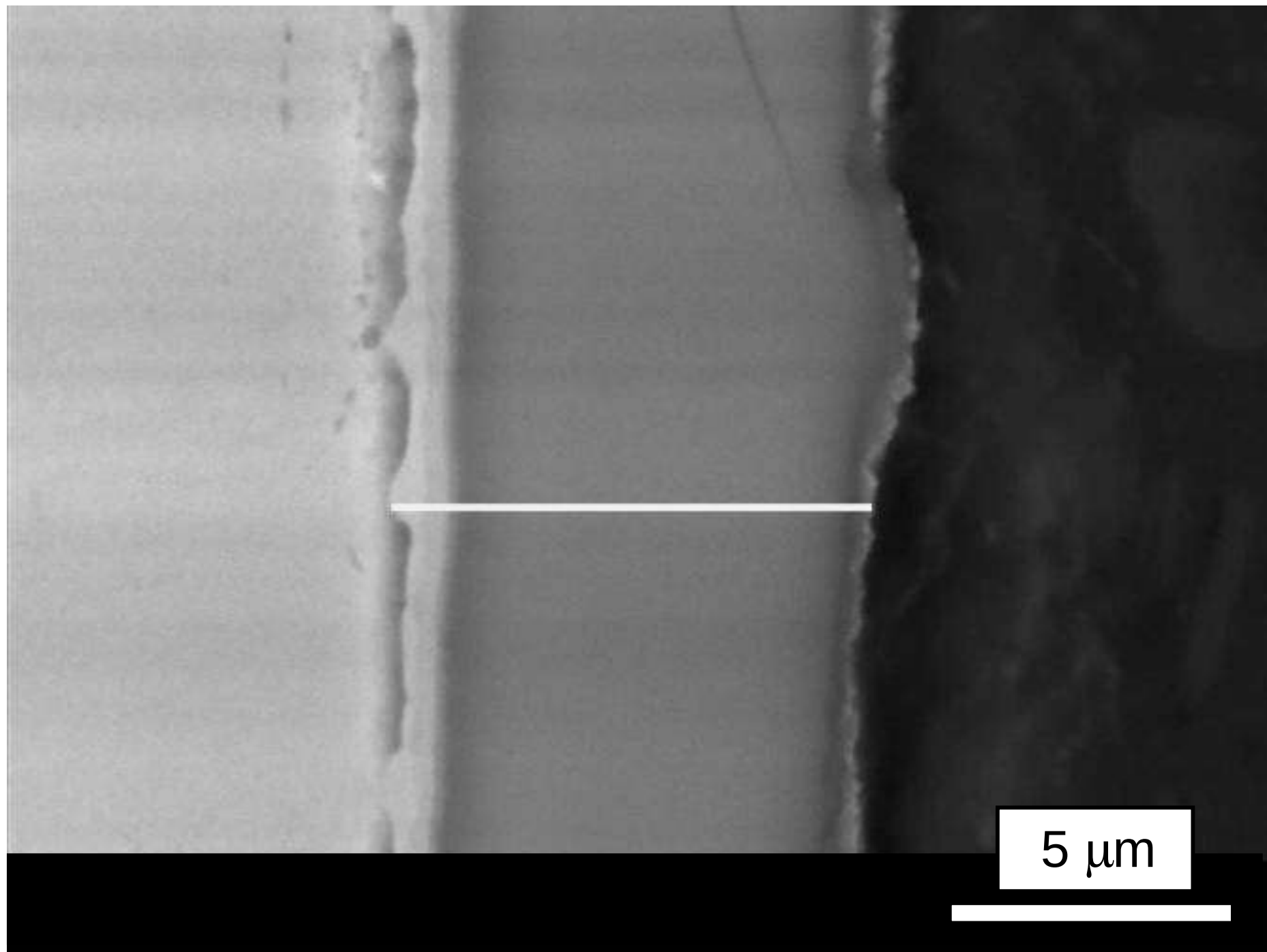


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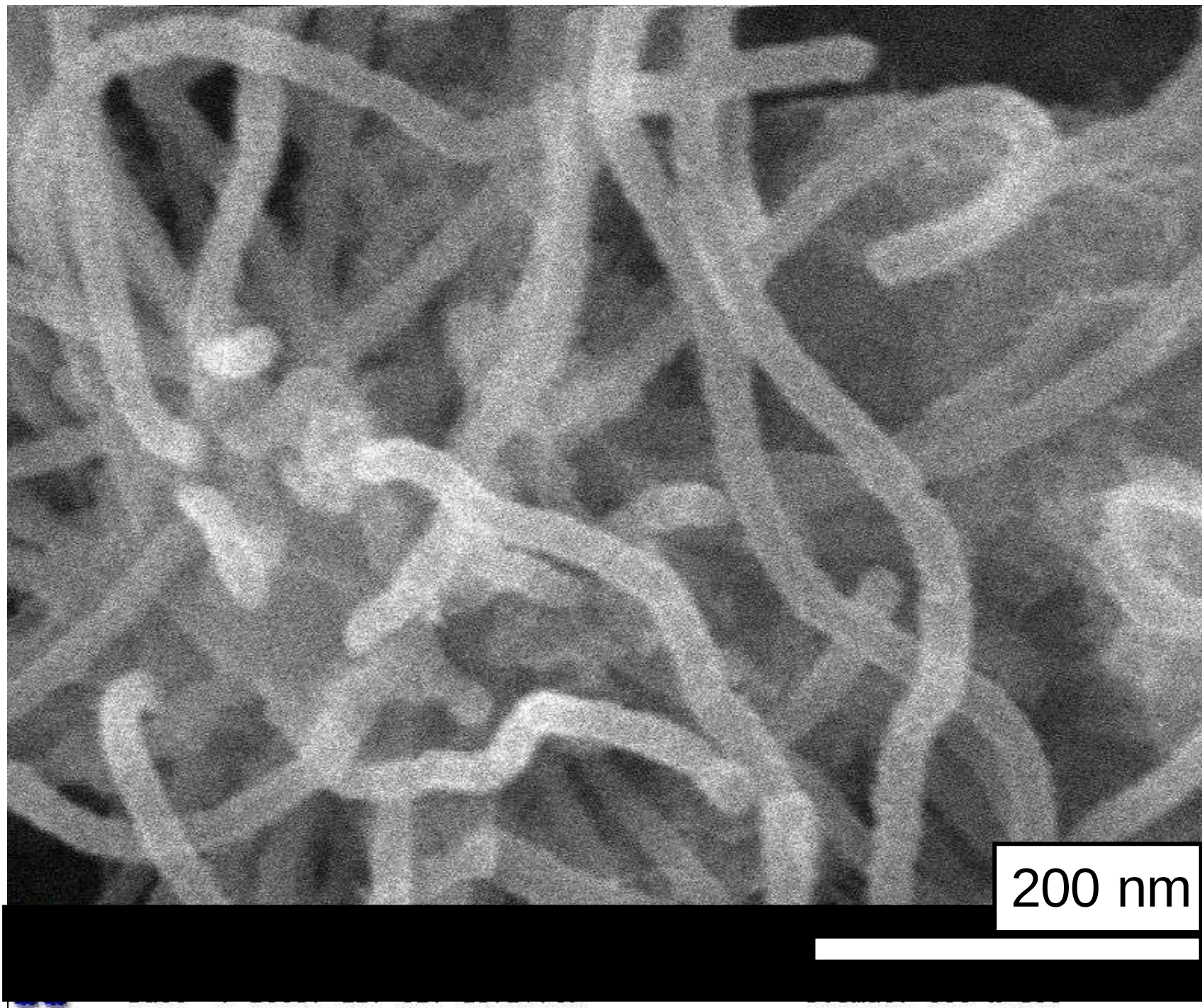




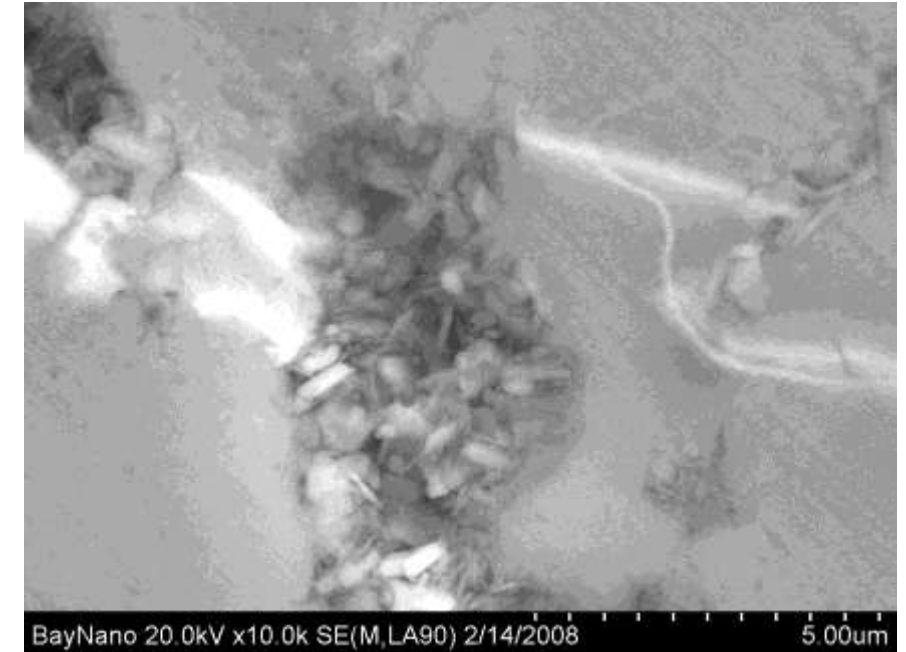
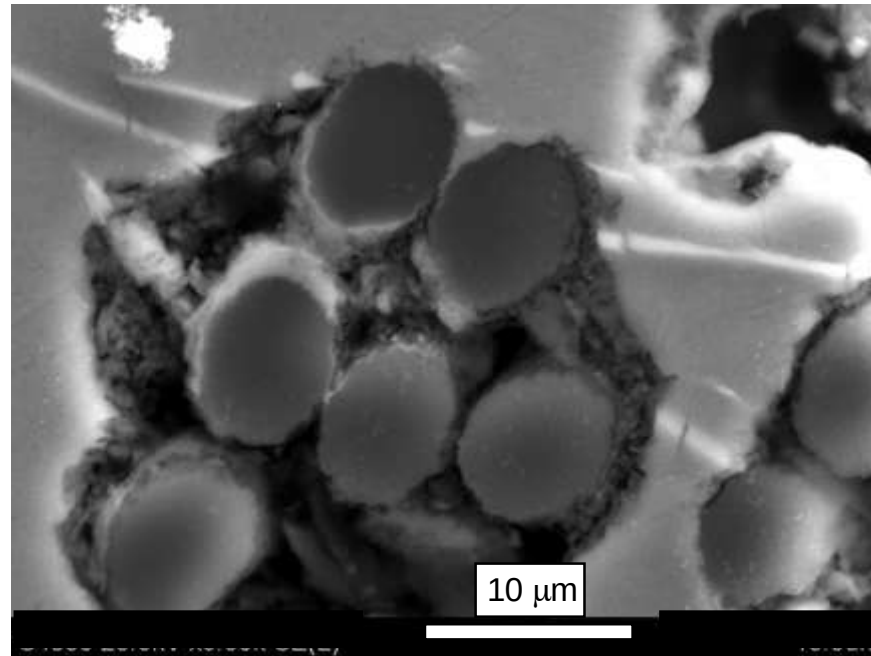
[Kaptay-Kuznetsov: Plasmas & Ions 2 (1999) 45-56 (0/40) / Kaptay-Sytchev-Miklósi-Póczik-Papp-Nagy-Kálmán: Progr Molten Salt Chem, 1 (2000) 257-262 (0 / 18) / J.Sytchev, G.Kaptay. Electrochim Acta 54 (2009) 6725-6731 (3,325/7)]



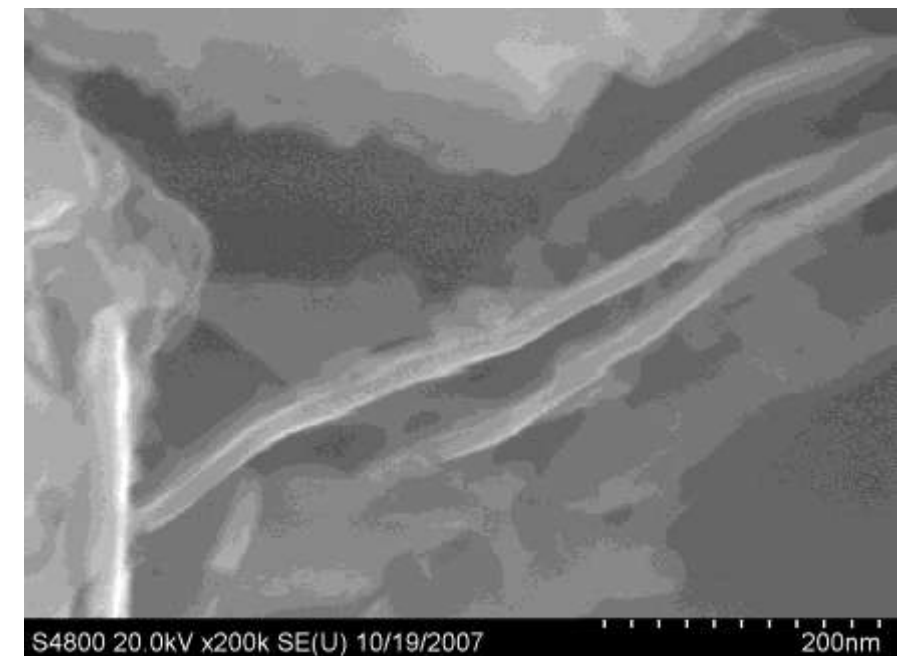
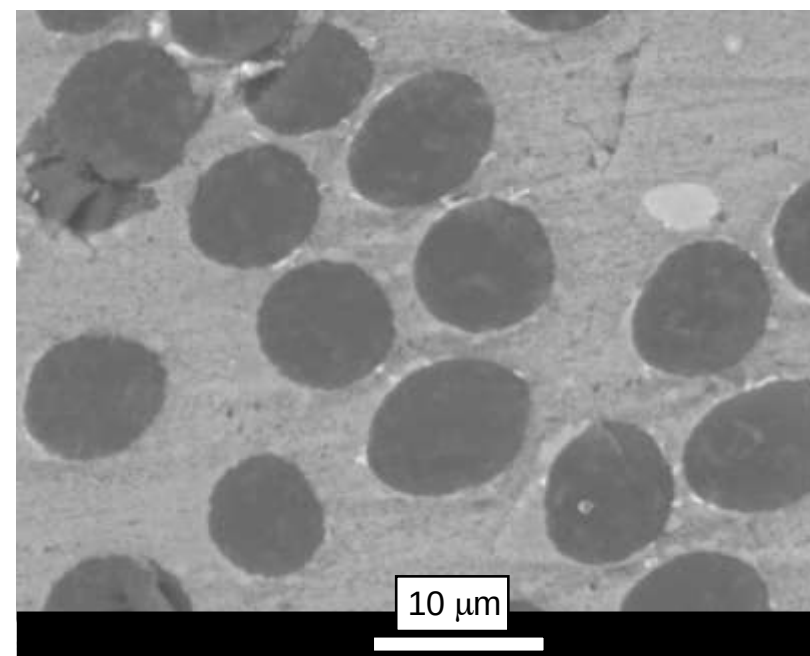
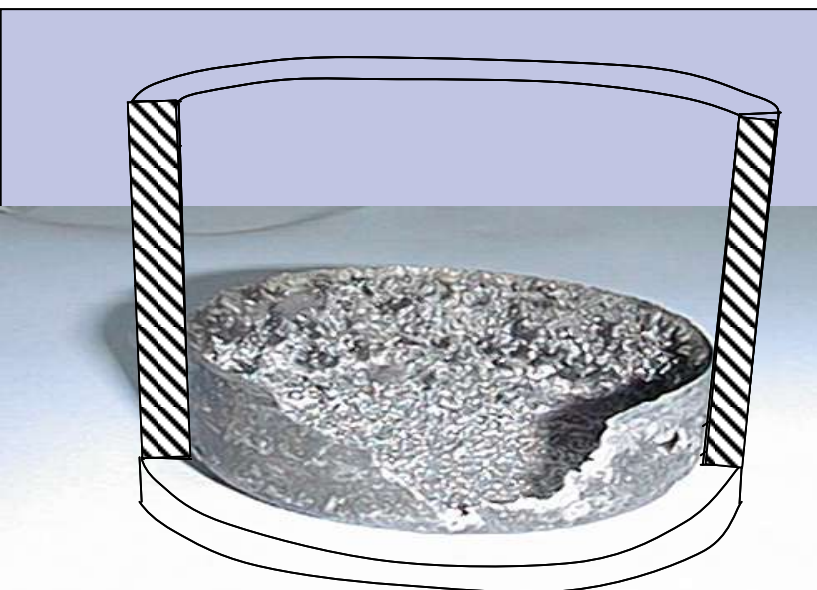
[Kaptay-Kuznetsov: Plasmas & Ions 2 (1999) 45-56 (0/**40**) / Kaptay-Sytchev-Miklósi-Póczik-Papp-Nagy-Kálmán: Progr Molten Salt Chem, 1 (2000) 257-262 (0 / **18**) / J.Sytchev, G.Kaptay. Electrochim Acta 54 (2009) 6725-6731 (3,325/7)]



[Kaptay-Kuznetsov: Plasmas & Ions 2 (1999) 45-56 (0/**40**) / Kaptay-Sytchev-Miklósi-Póczik-Papp-Nagy-Kálmán: Progr Molten Salt Chem, 1 (2000) 257-262 (0 / **18**) / J.Sytchev, G.Kaptay. Electrochim Acta 54 (2009) 6725-6731 (3,325/7)]

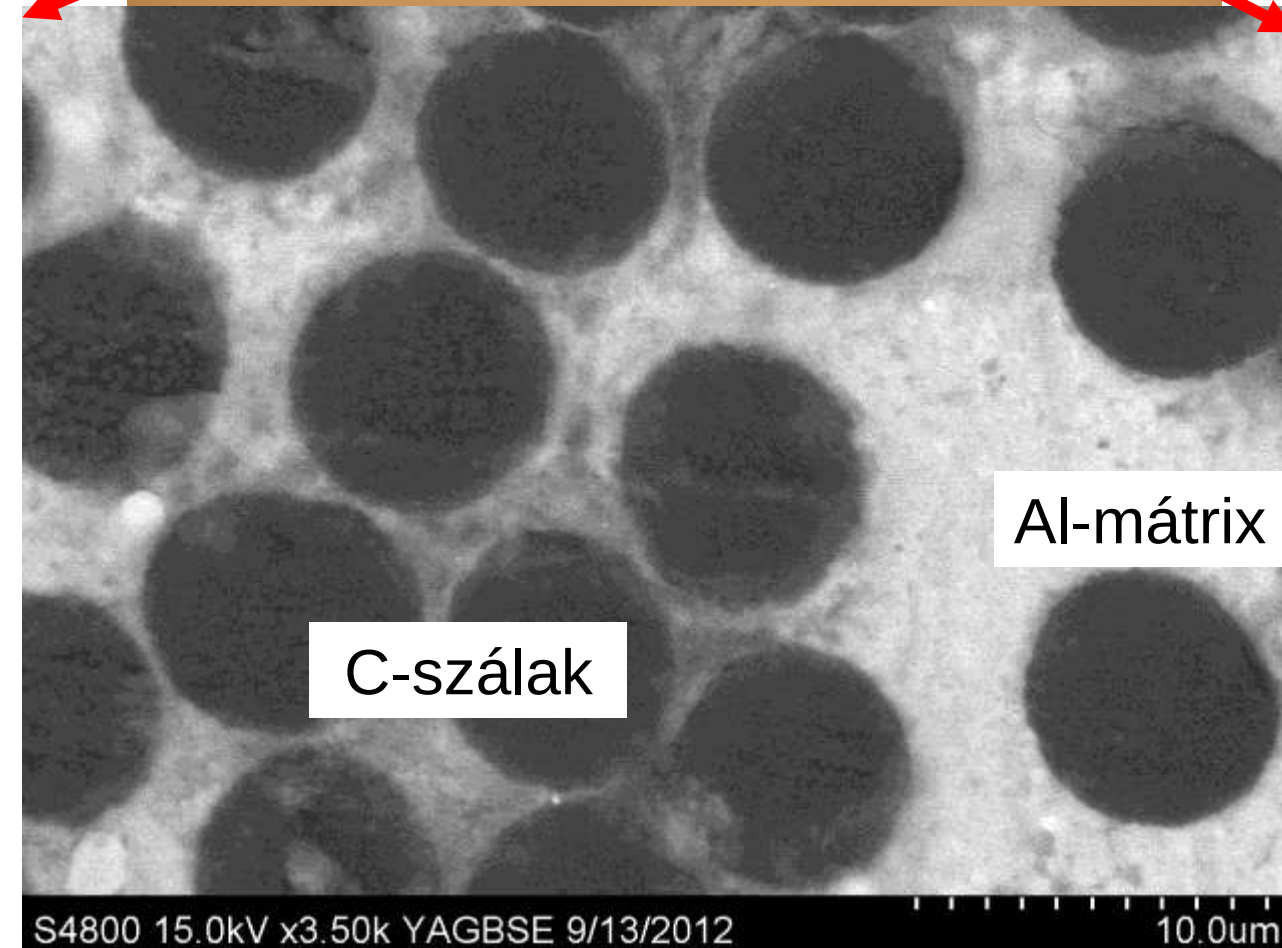
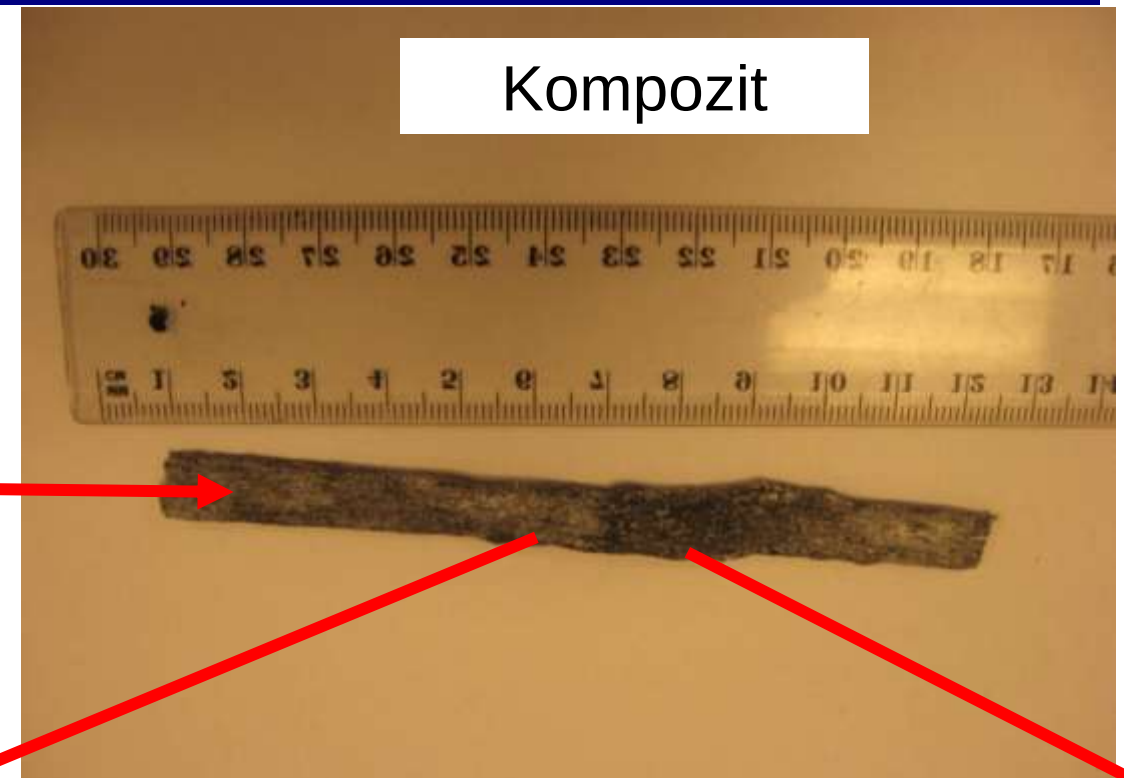
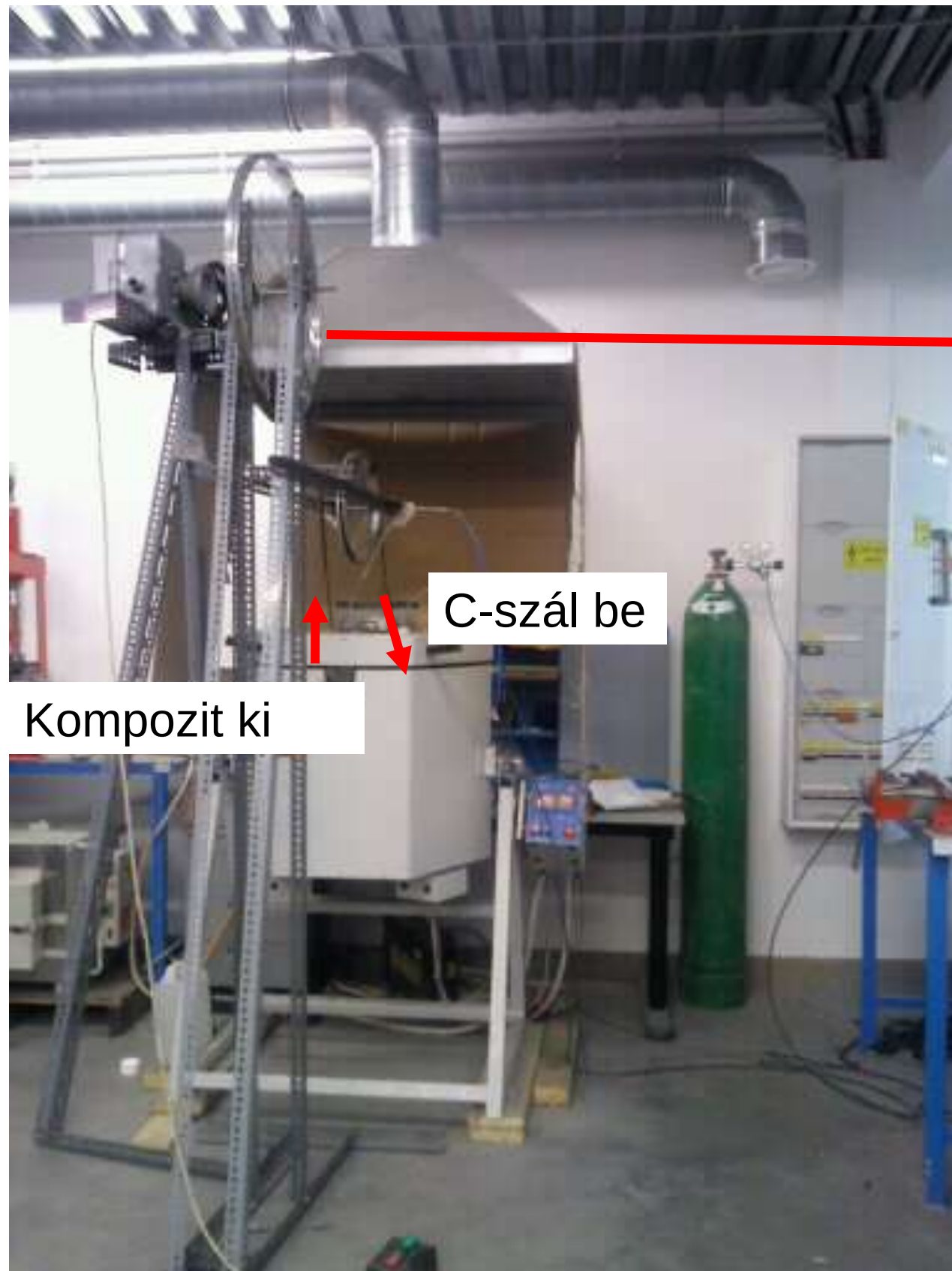


Felületkezelés után:



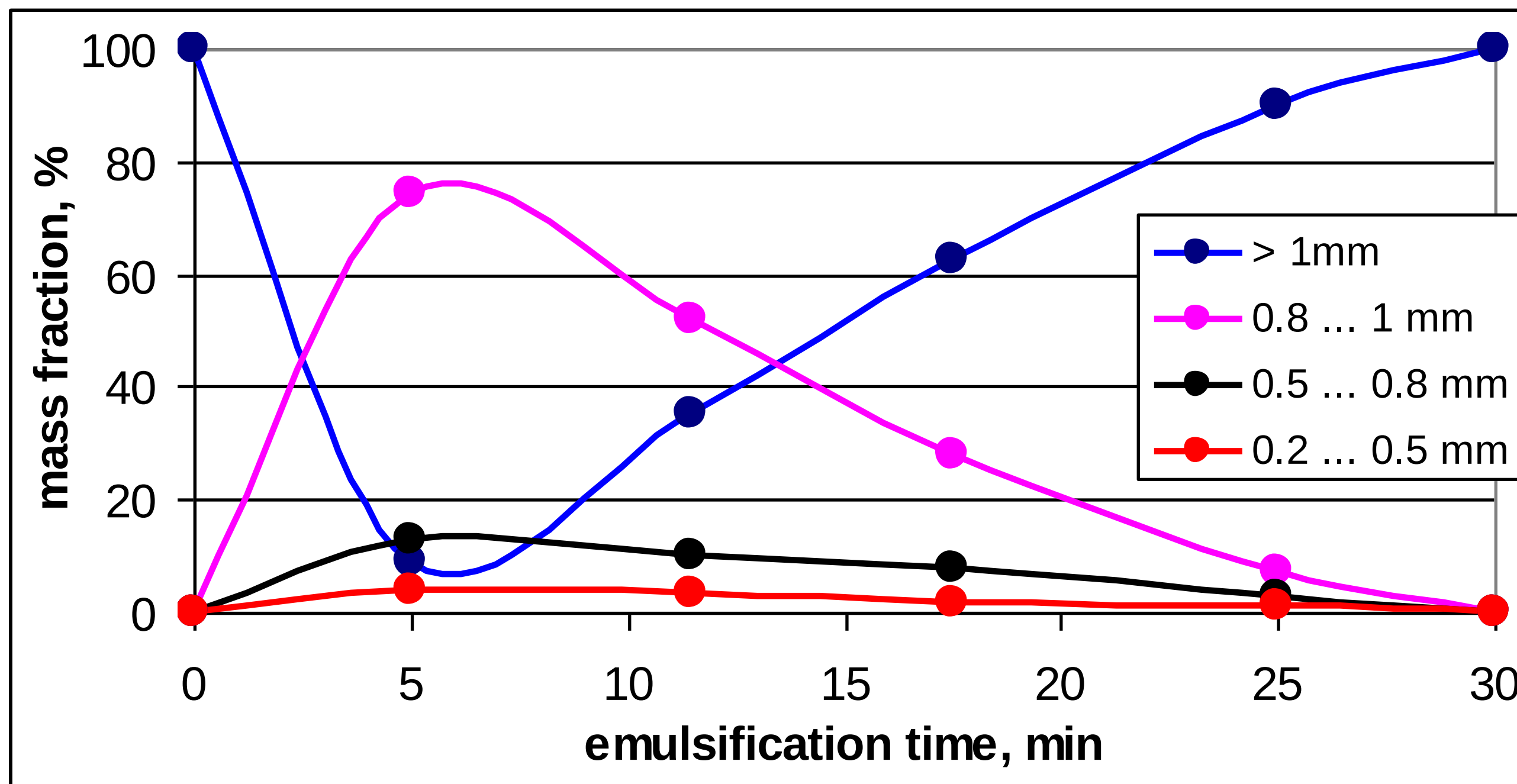
[Baumli-Sytchev-Kaptay: J Mater Sci 45 (2010) 5177-5190 (1.859/3) / Baumli-Sytchev-Budai-Szabo- G.Kaptay: Composites A 44 (2013) 47–50 (2.695/0)]

Al/C kompozit fejlesztés / 2



Al/SiC kompozit újrahasznosítása

B5. SiC-fedte Al-por fejlesztés



Al/SiC kompozit újrahasznosítása

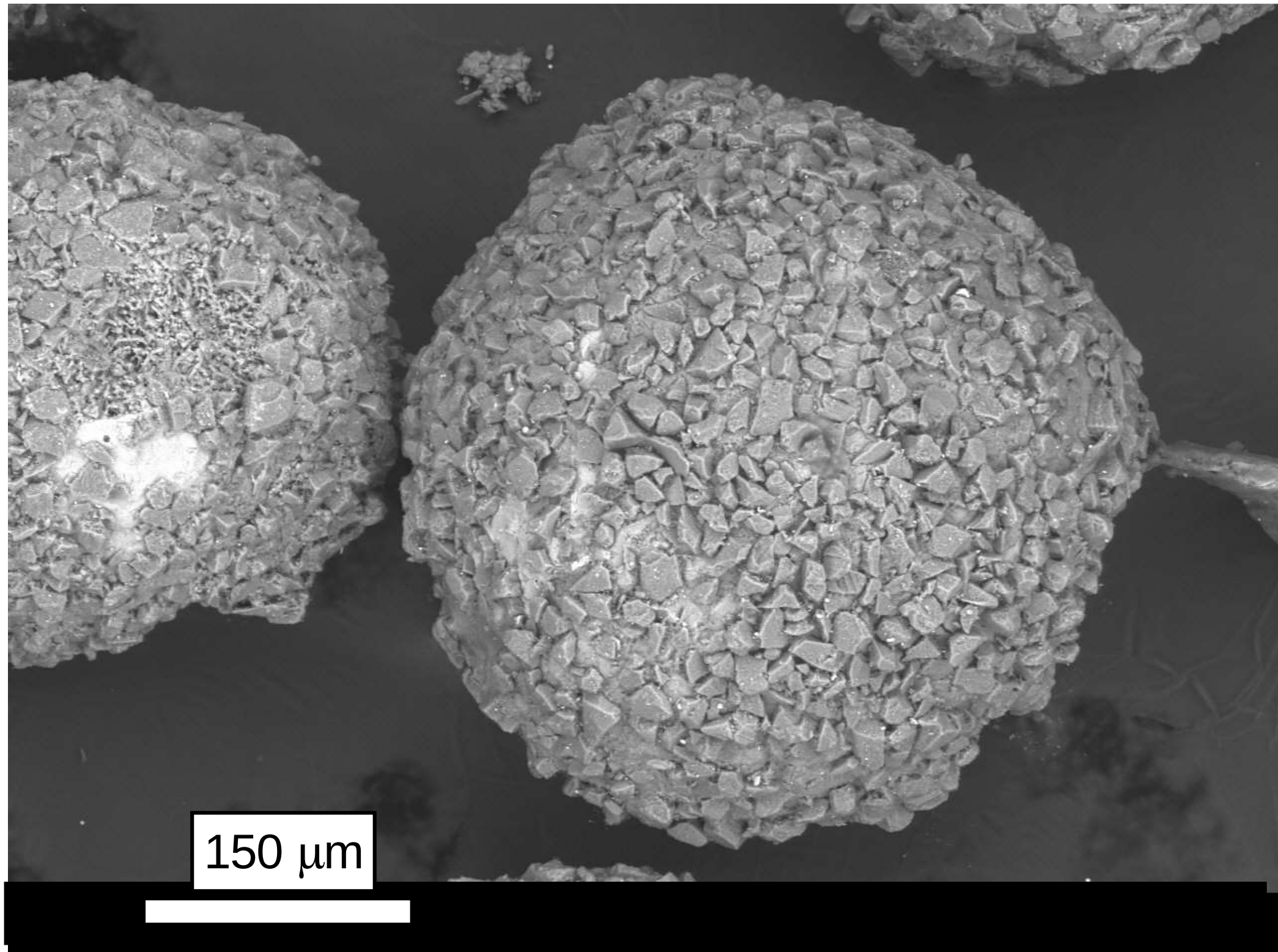
B5. SiC-fedte Al-por fejlesztés



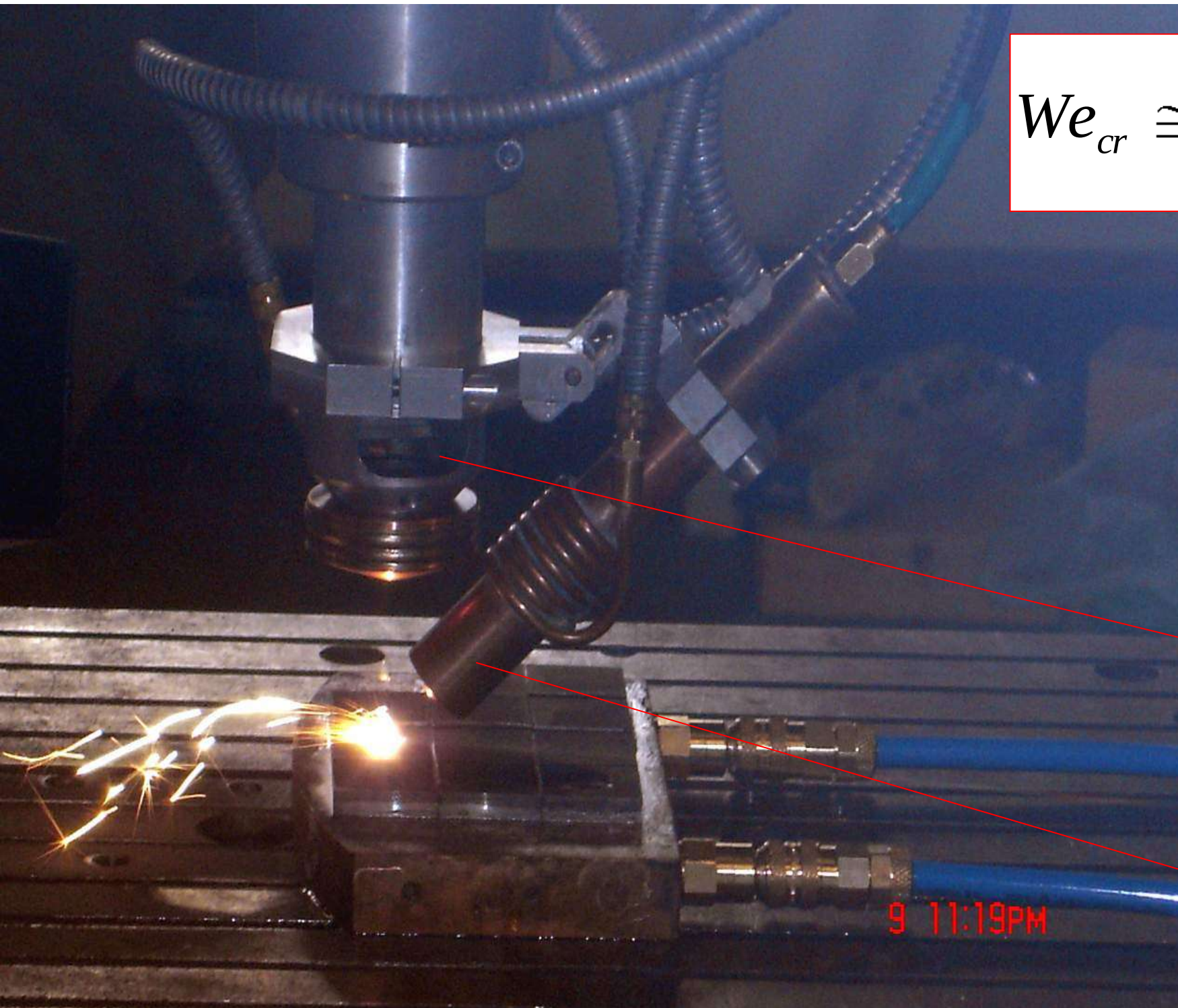
[Madarasz-Budai-Kaptay. Metal Mater Trans 42A (2011) 1439-1443 (1,545/1)]

Al/SiC kompozit újrahasznosítása

B5. SiC-fedte Al-por fejlesztés



$$We_{cr} \cong 6 \cdot (1 - G) \cdot \frac{1 - \cos \Theta}{\rho^* - 0.222}$$

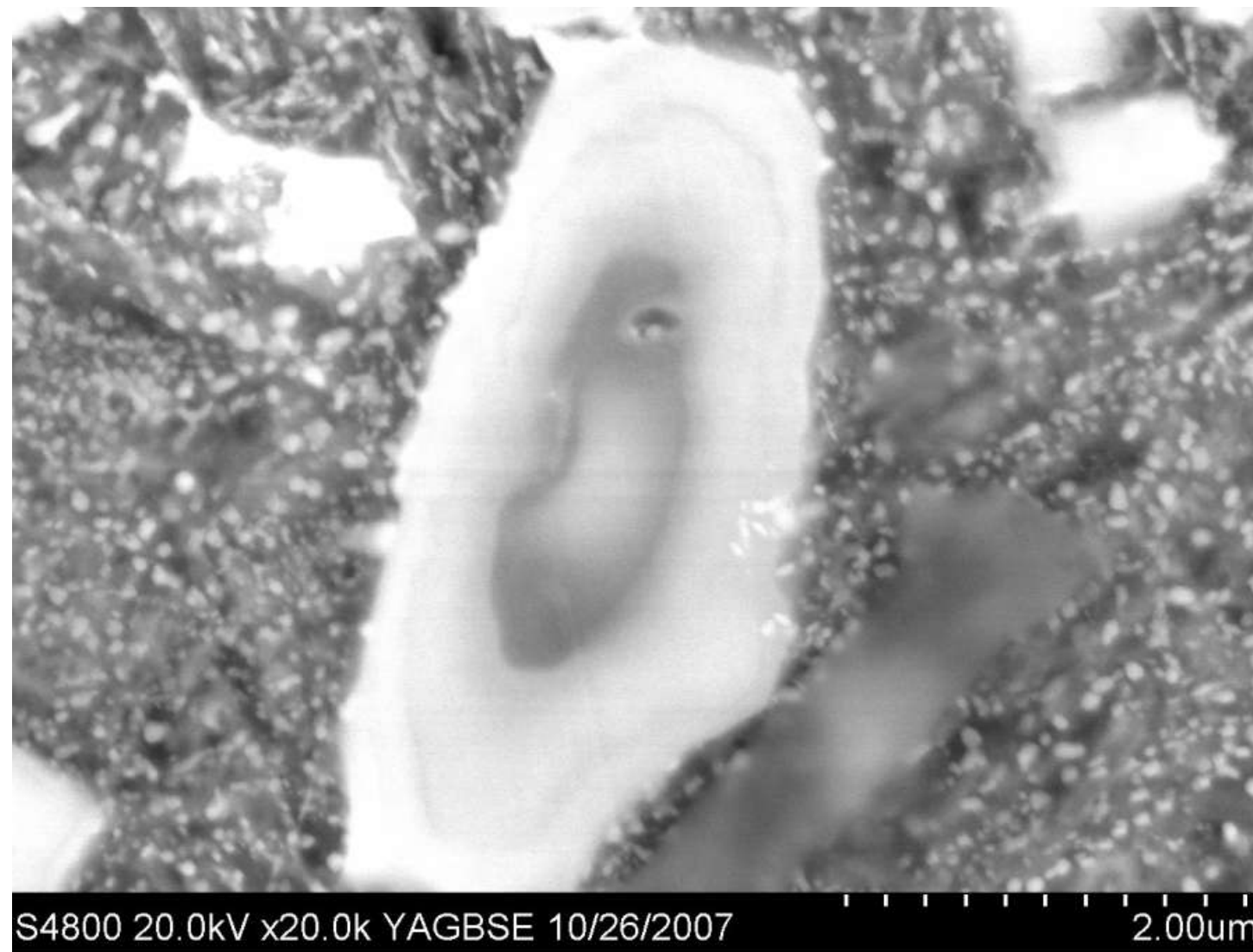


1

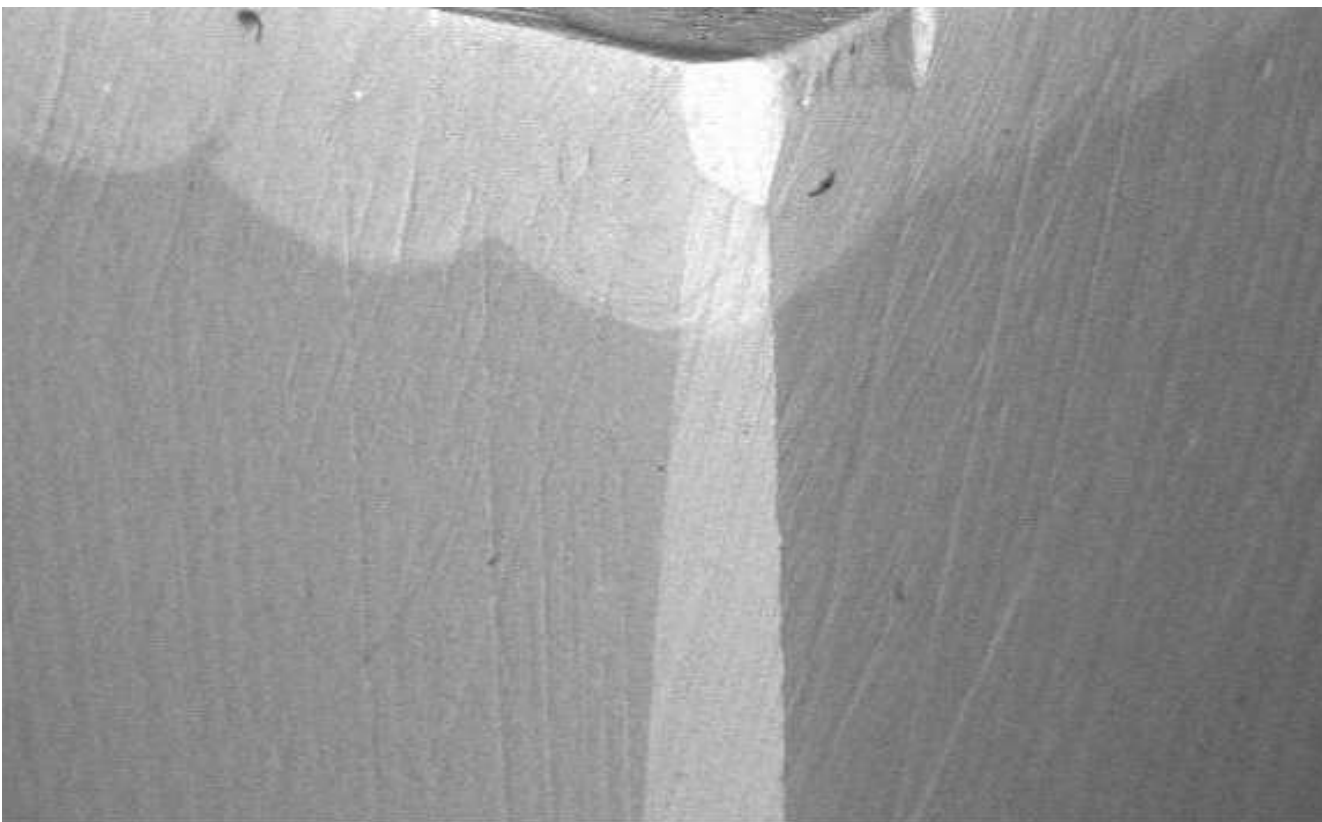
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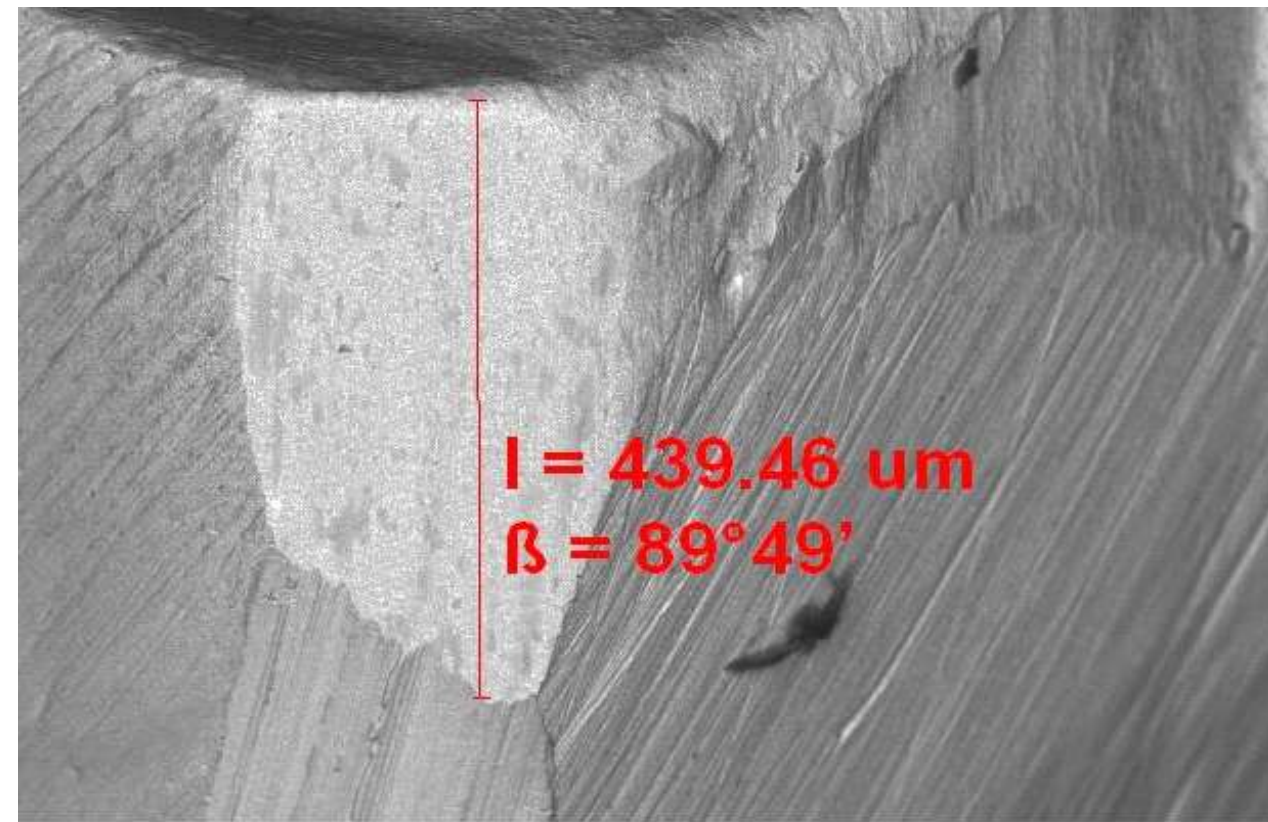
$$We_{cr} \cong 6 \cdot (1 - G) \cdot \frac{1 - \cos \Theta}{\rho^* - 0.222}$$



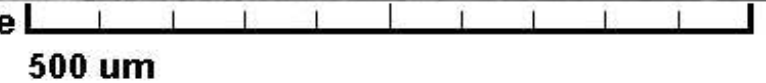
$$We_{cr} \cong 6 \cdot (1 - G) \cdot \frac{1 - \cos \Theta}{\rho^* - 0.222}$$

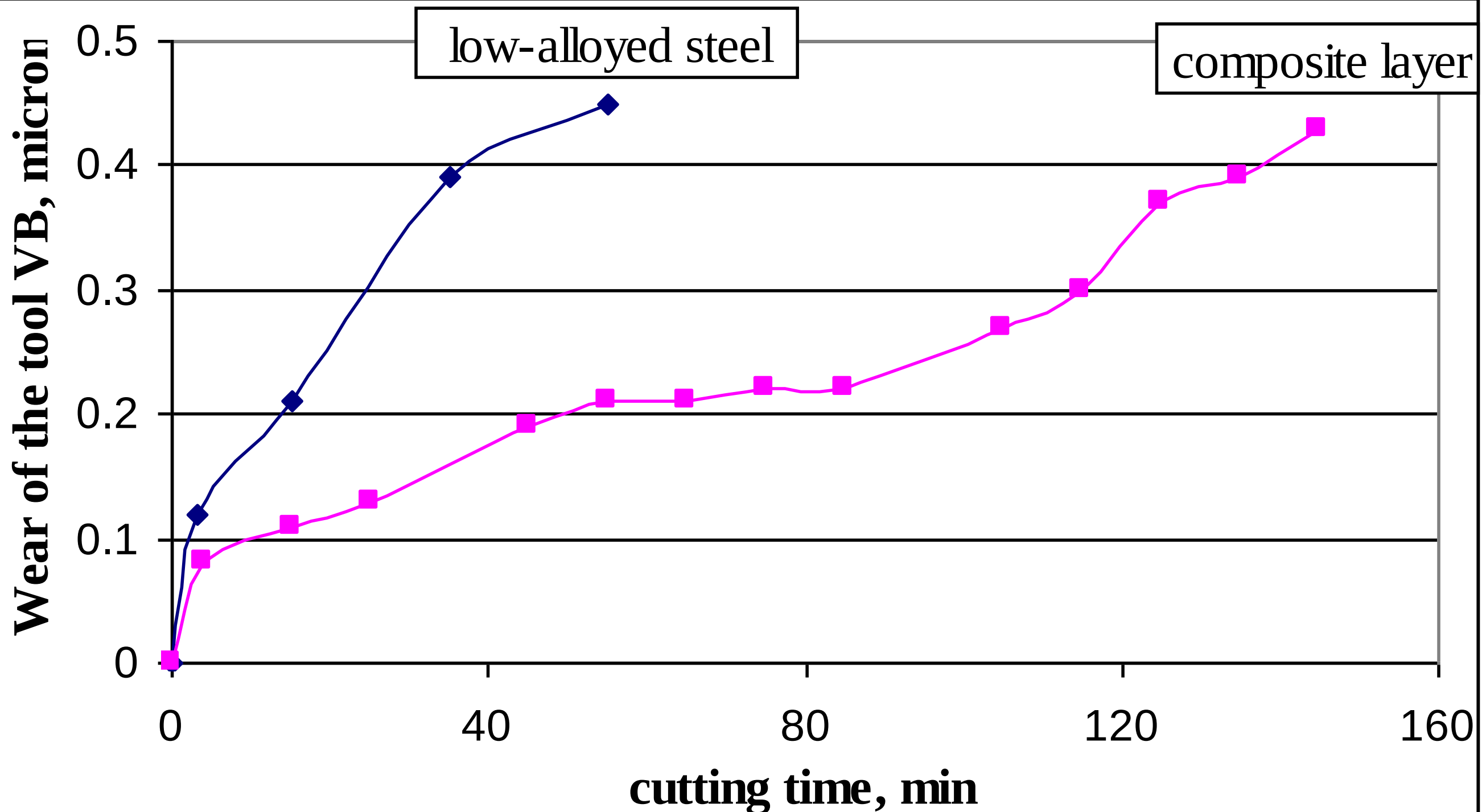


DET: BSE Detector
DATE: 11/17/06



DET: BSE De - SE Dete
DATE: 11/17/06



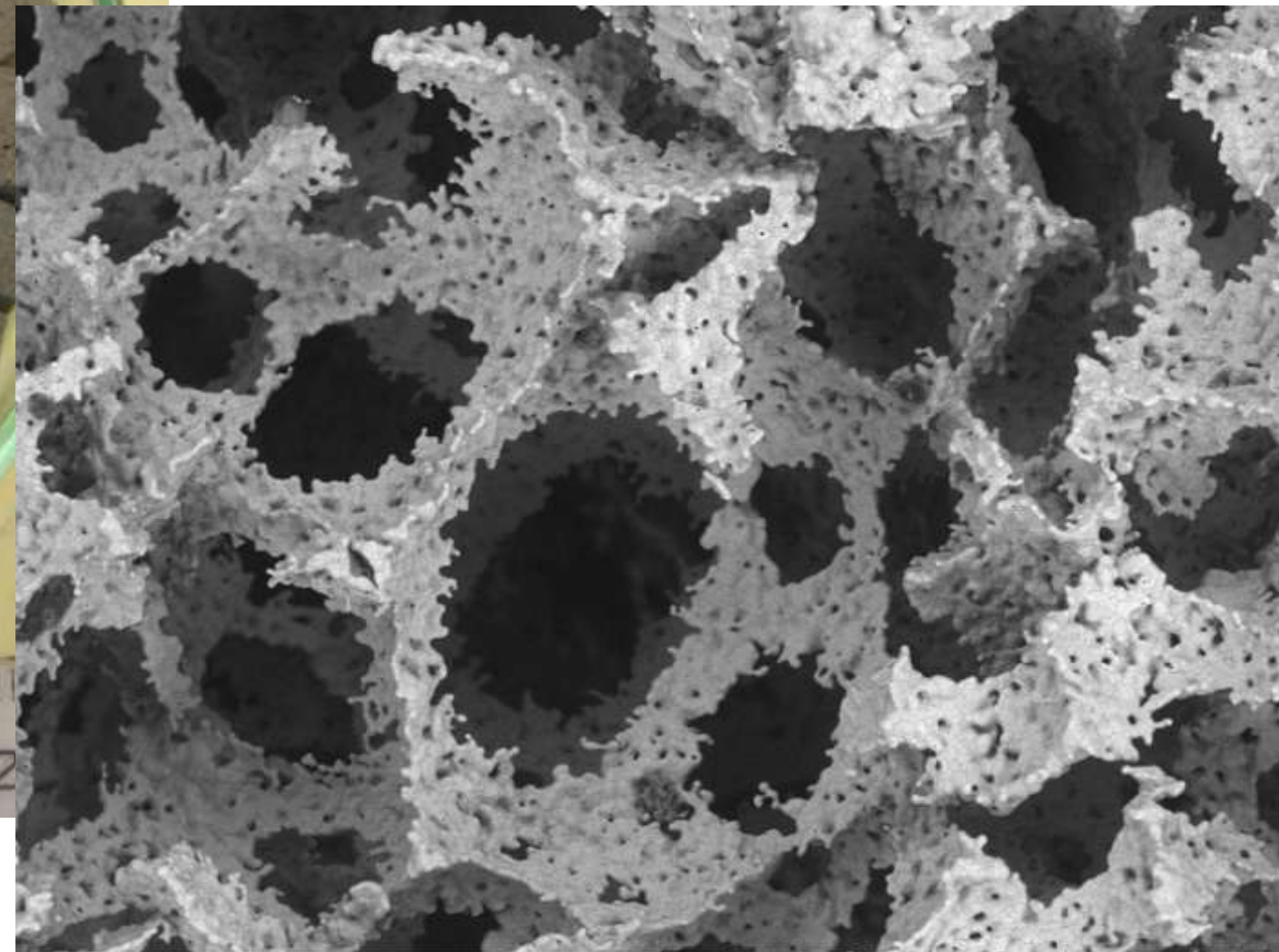




[Bárczy-Szőke-Zai-Zai-Bárczy-Kaptay-Mekler-Szirovicza-Somosvári-Pintér-Budai: Magyar szabadalom, benyújtva 2009. október 5.,]



[Bárczy-Szőke-Zai-Zai-Bárczy-Kaptay-Mekler-Szirovicza-Somosvári-Pintér-Budai: Magyar szabadalom, benyújtva 2009. október 5.,]



1249

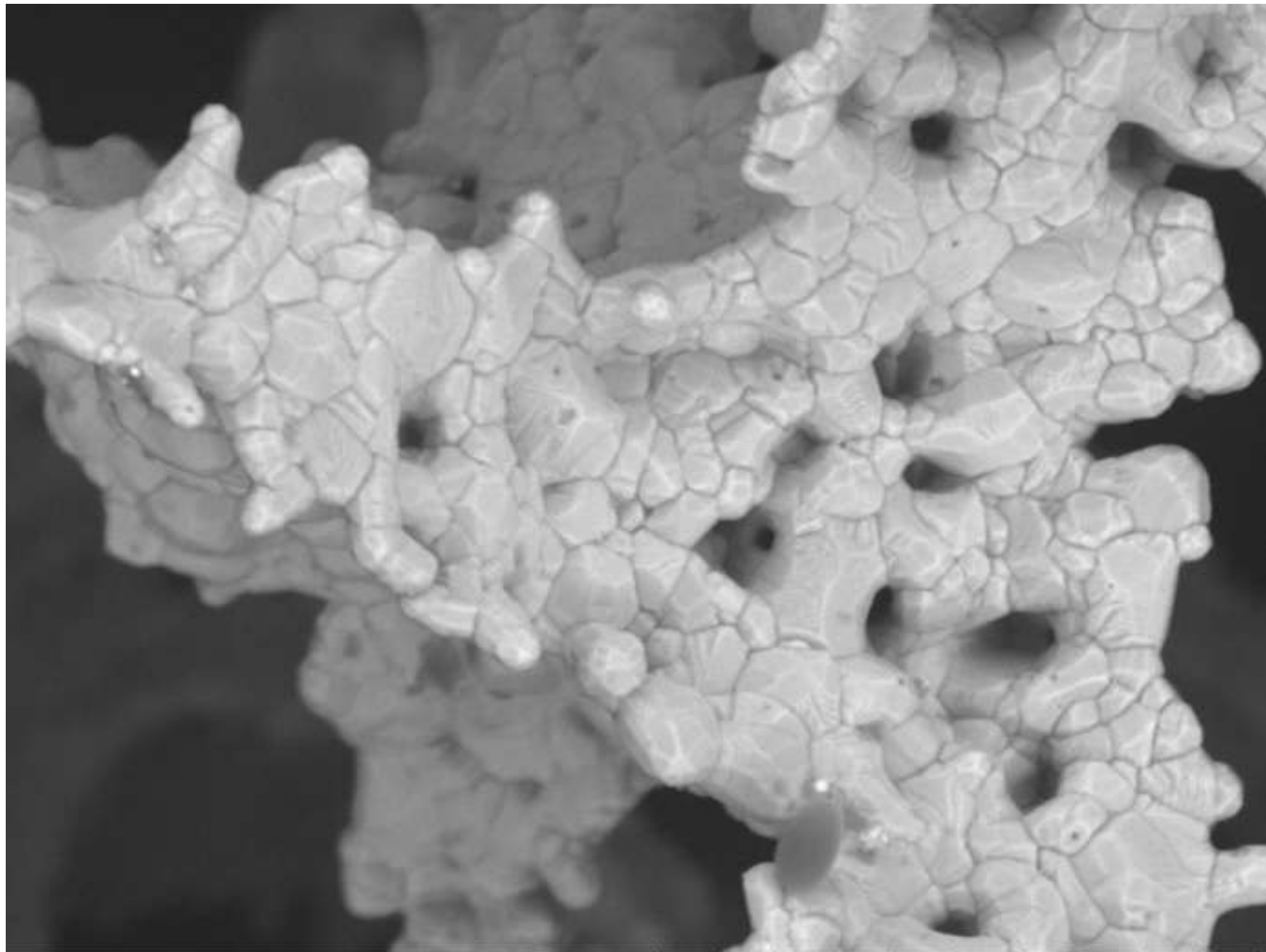
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23:31

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x500

200 um



1261

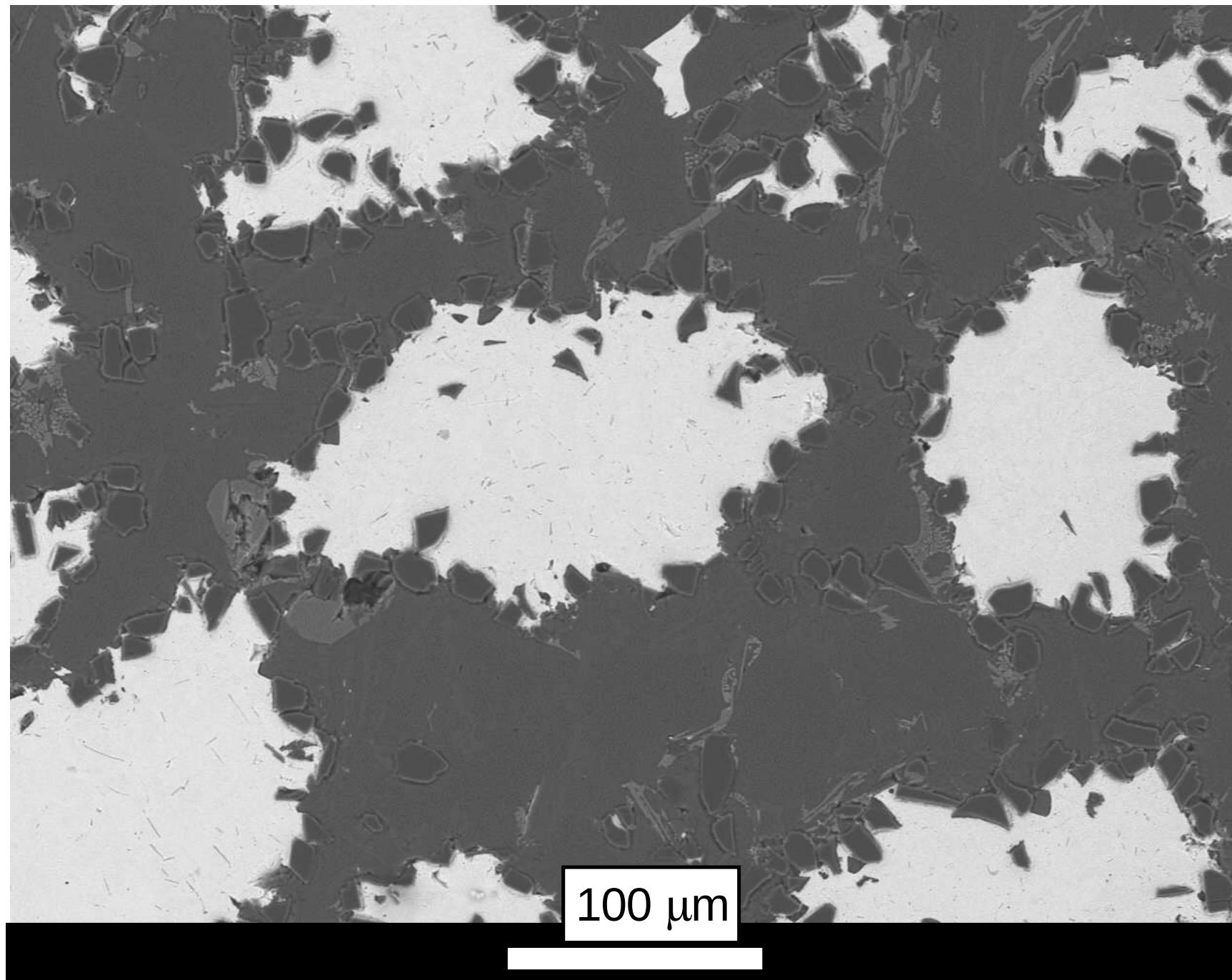
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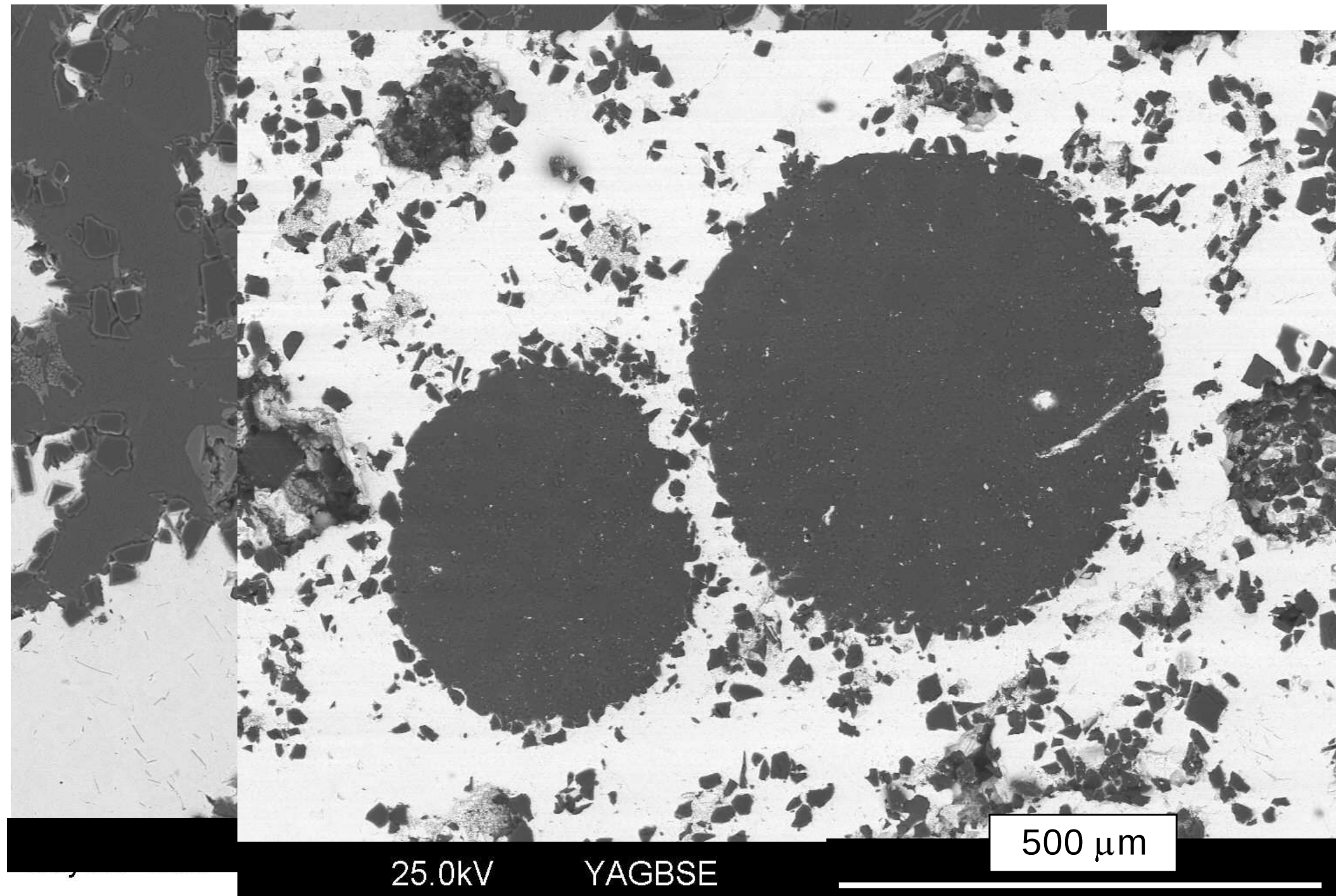
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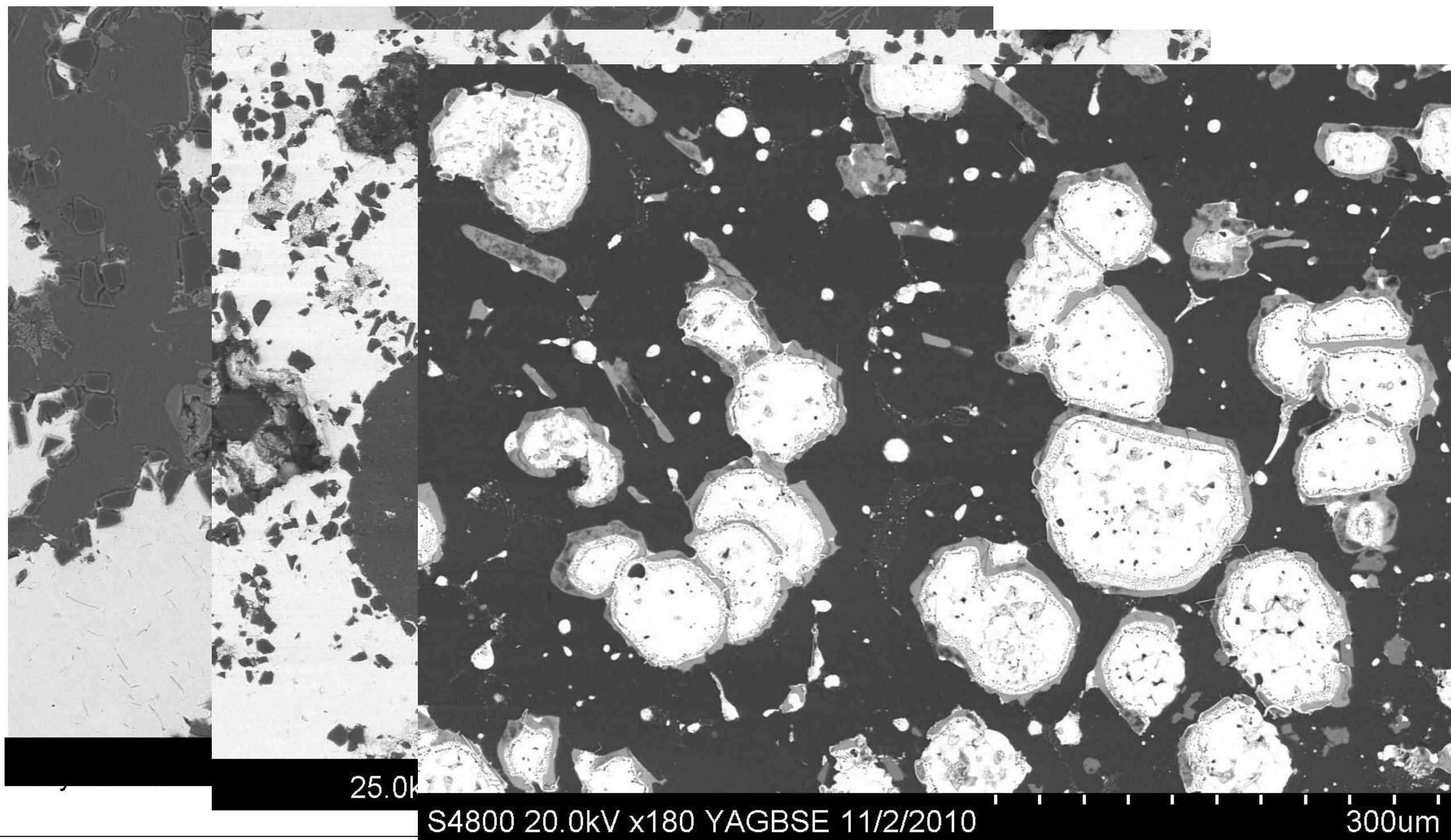
x3,0k

30 um

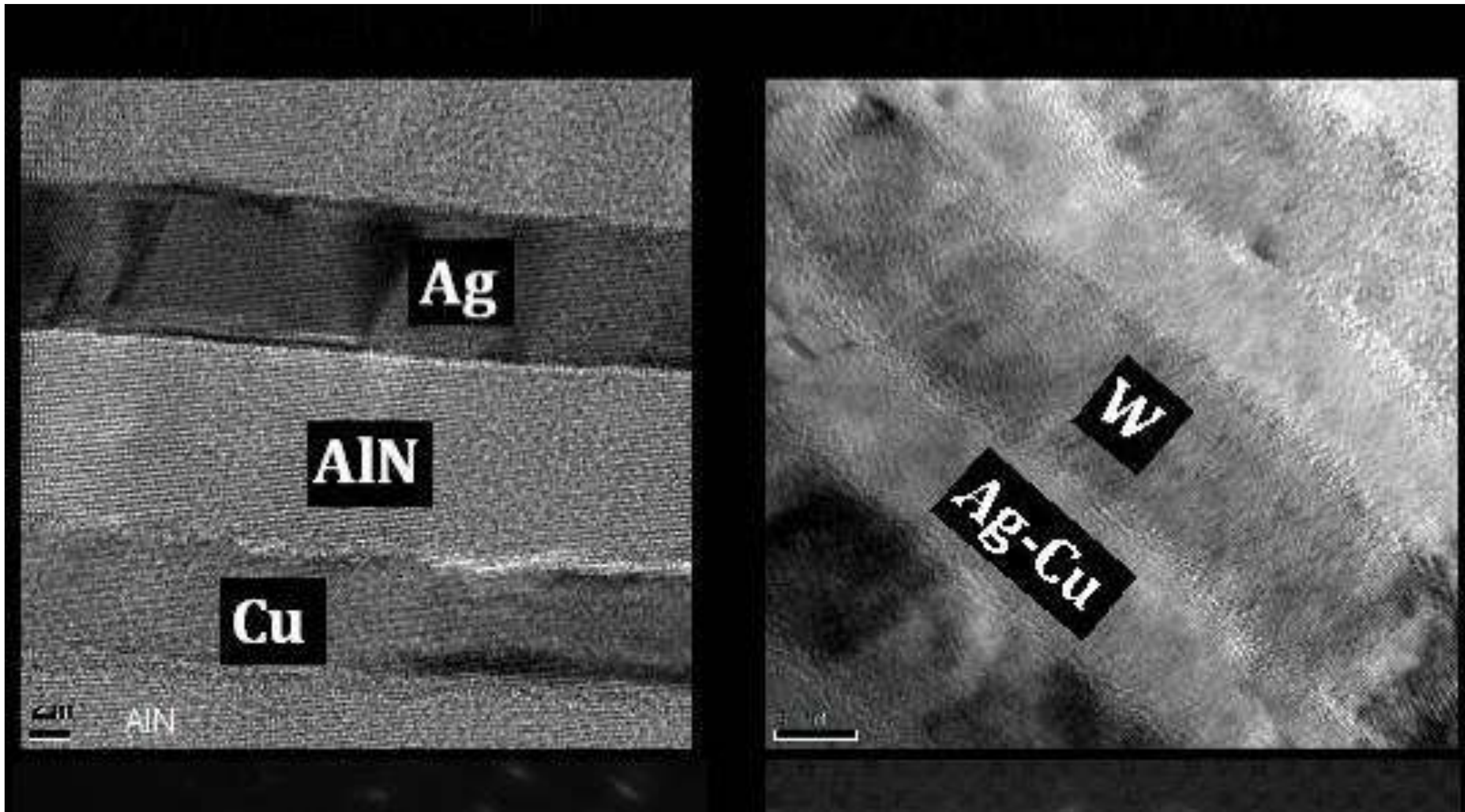




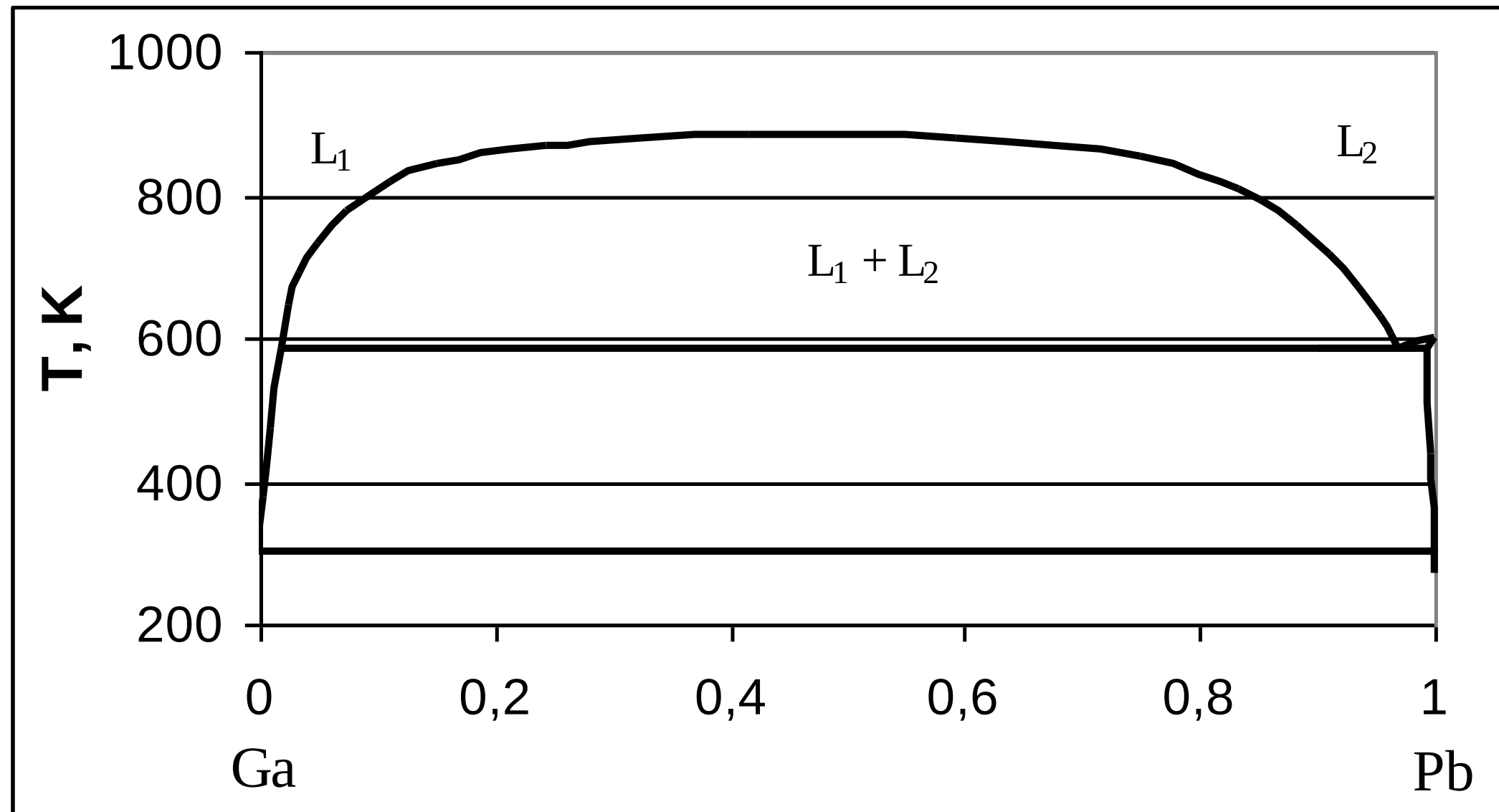
[Kaptay-Budai: P08 00532 / PCT/HU2009/000080 / US 2011/0185855 A1 / Budai-Kaptay: Metall Mater Trans 40A (2009) 1524-1528 (1,564/4) / Budai-Nagy-Kaptay: Colloids Surfaces A 377 (2011) 325-329 (2,236/0) / Nagy-Szabo-Kaptay: Intermetallics, 26 (2012) 26-30 (1,649/0)]

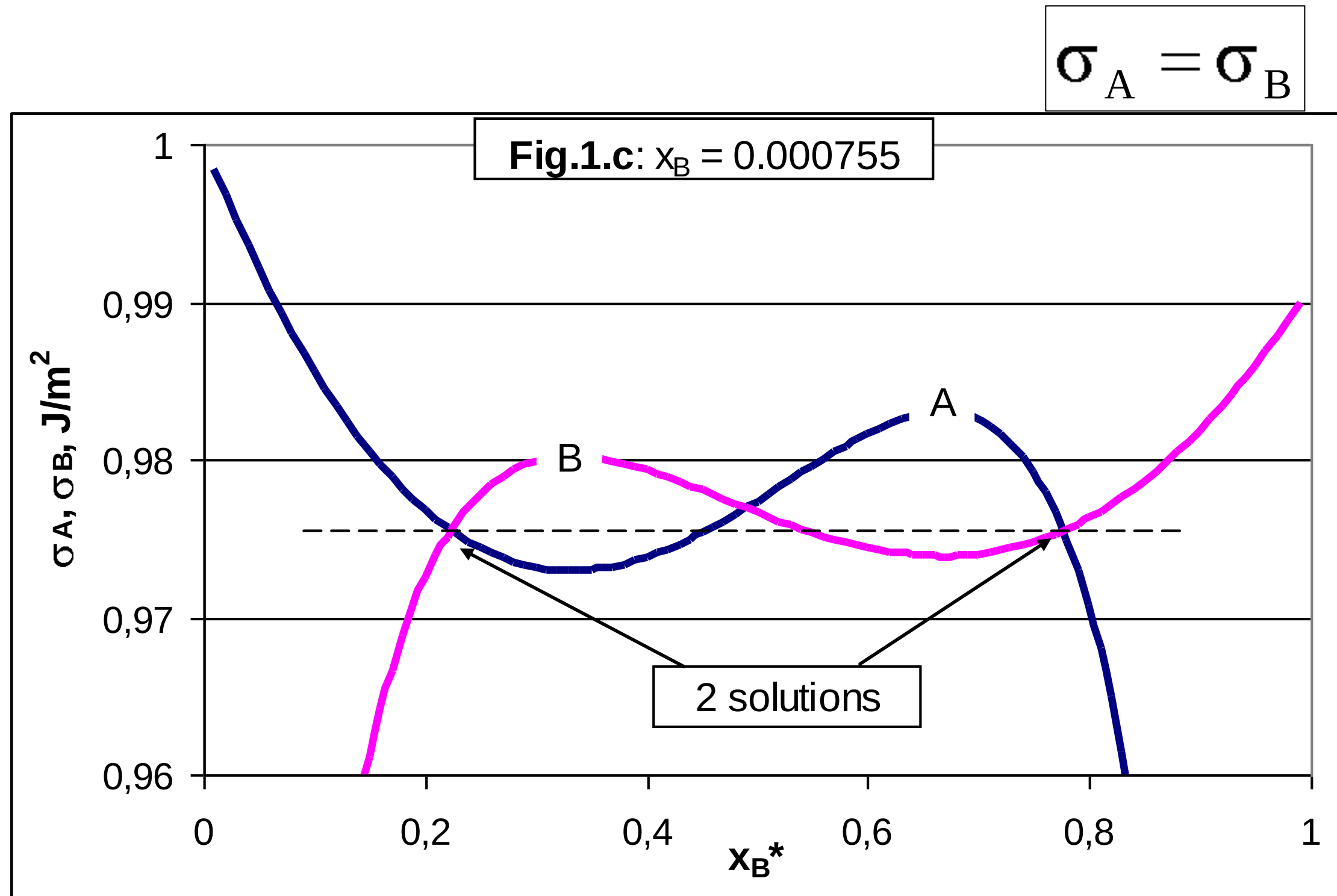


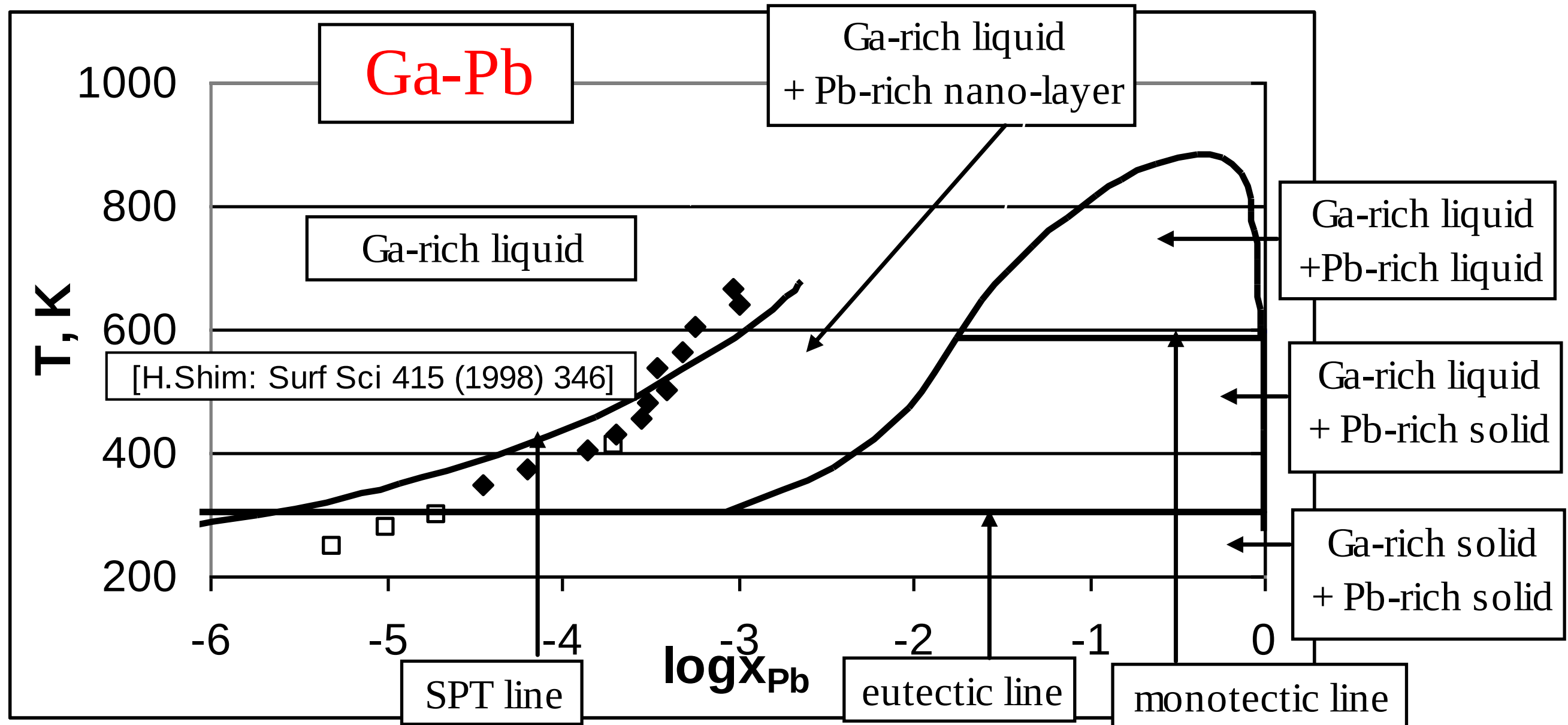
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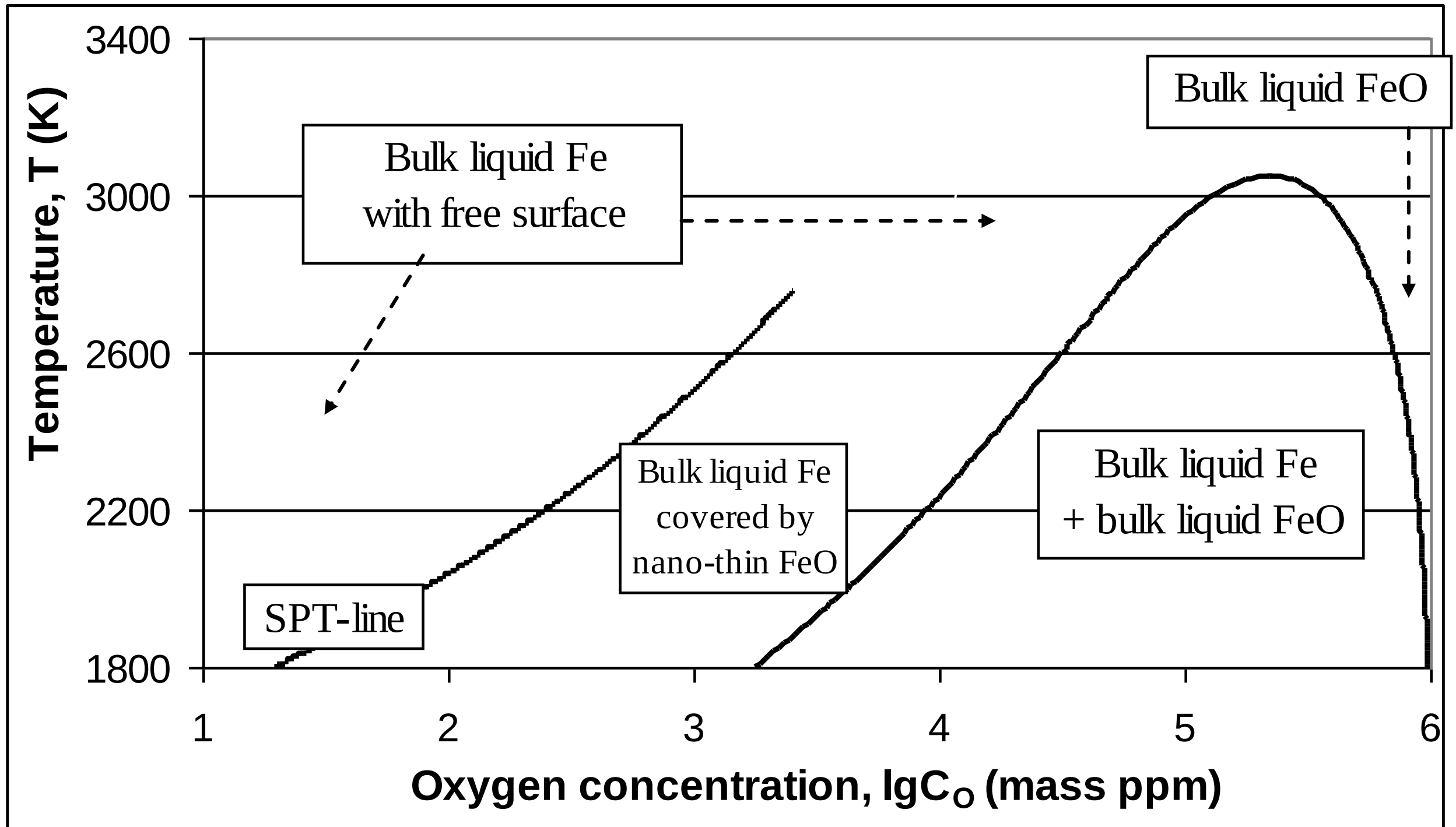


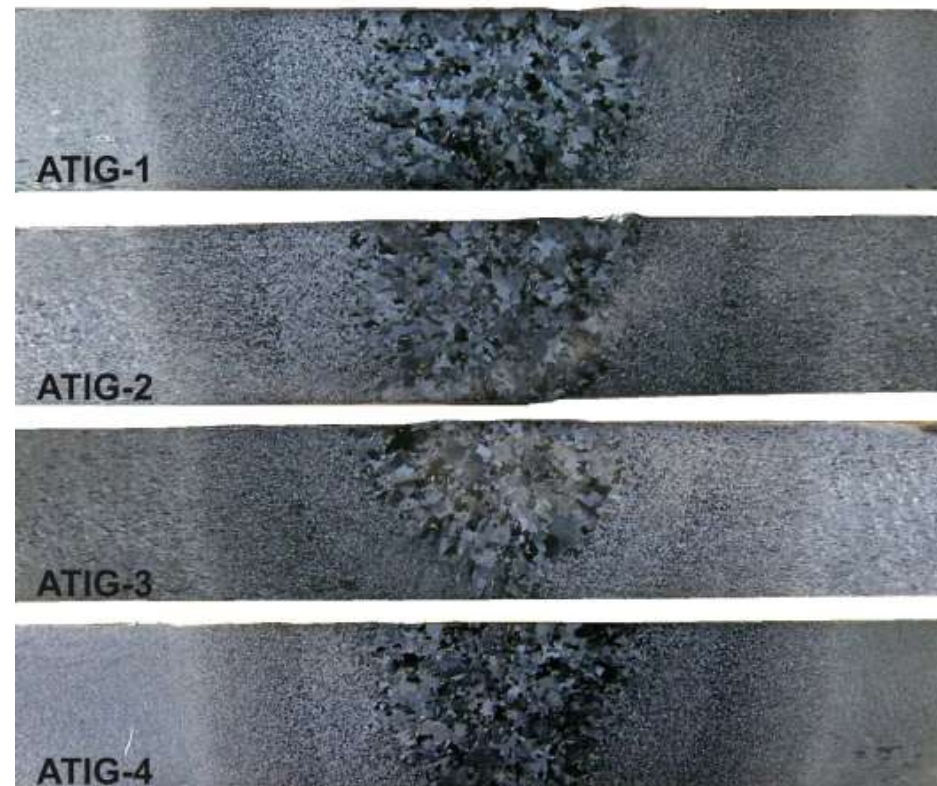
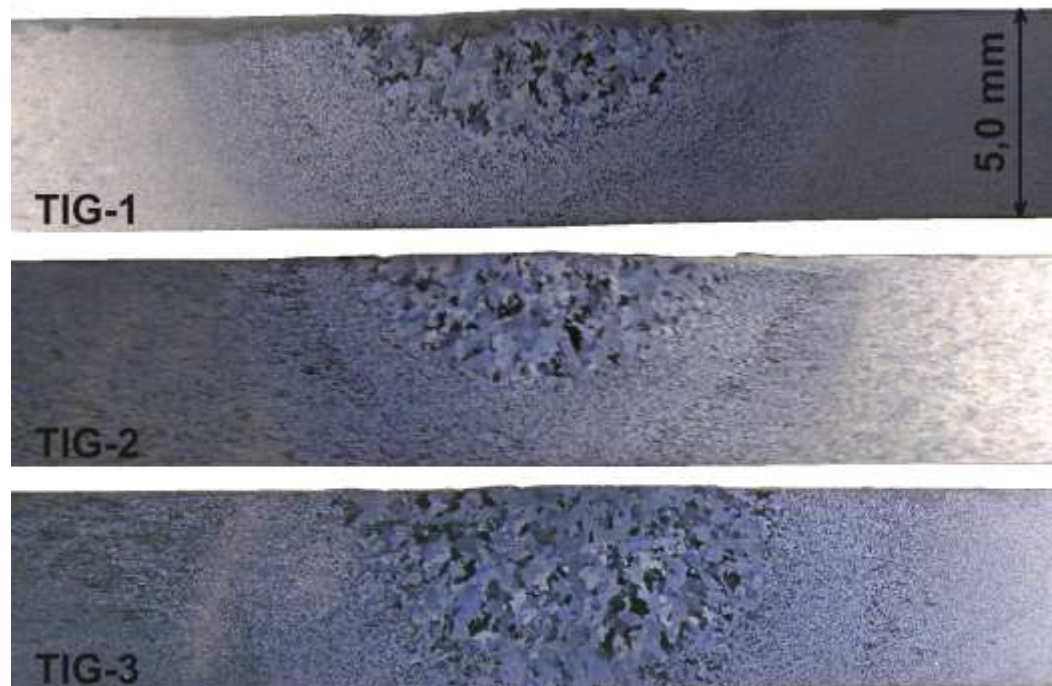
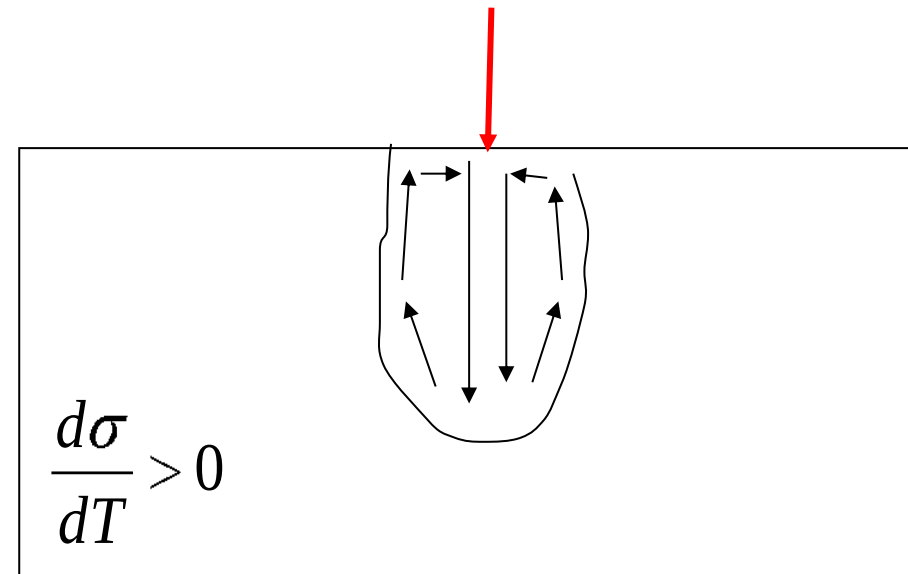
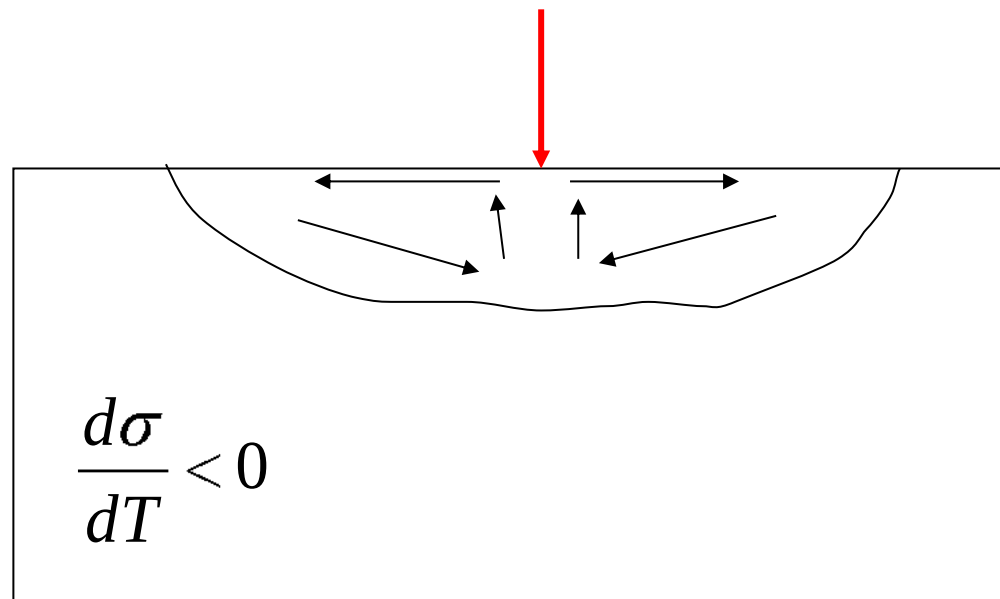
$$\sigma_A = \sigma_B$$

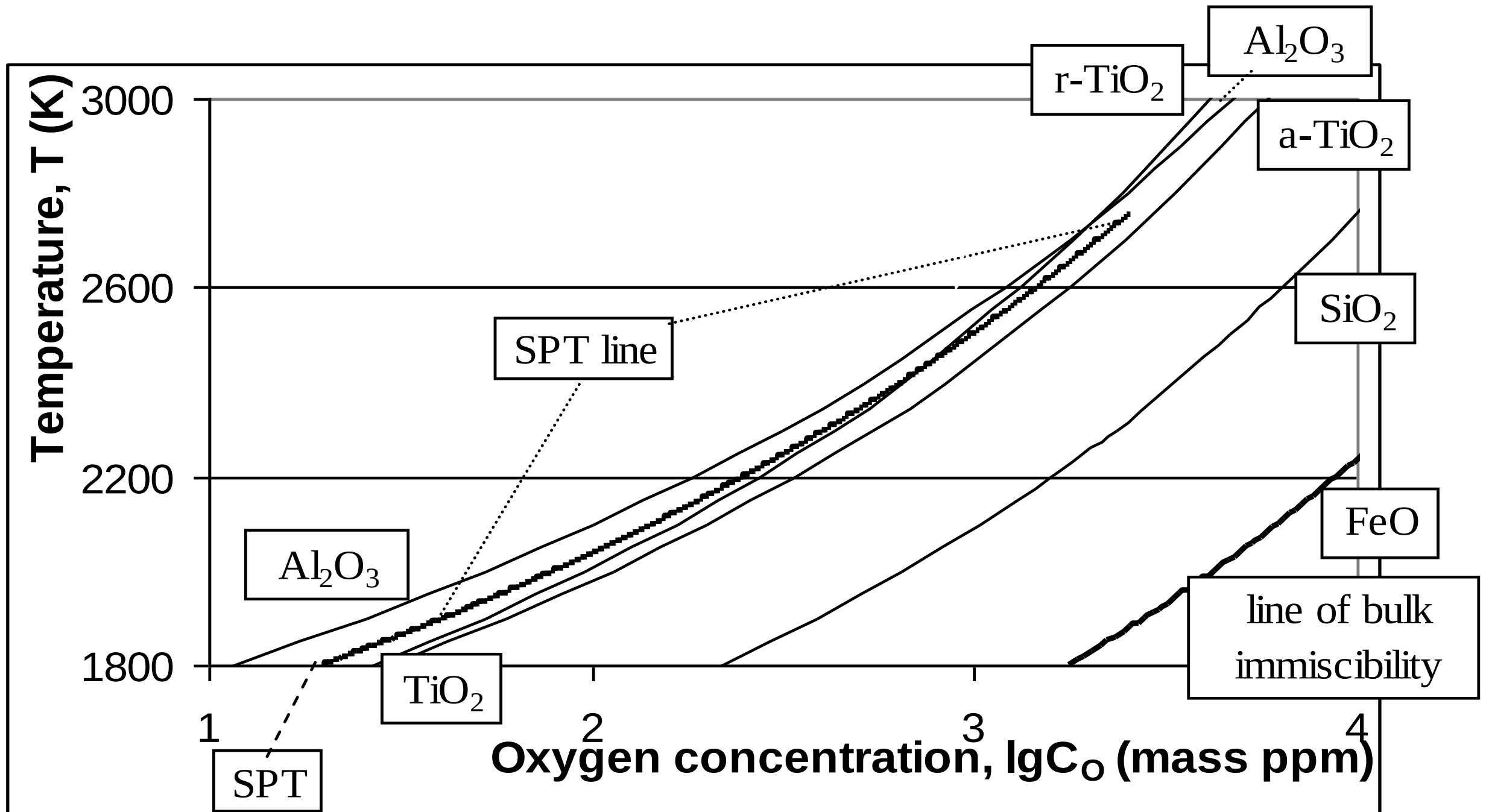


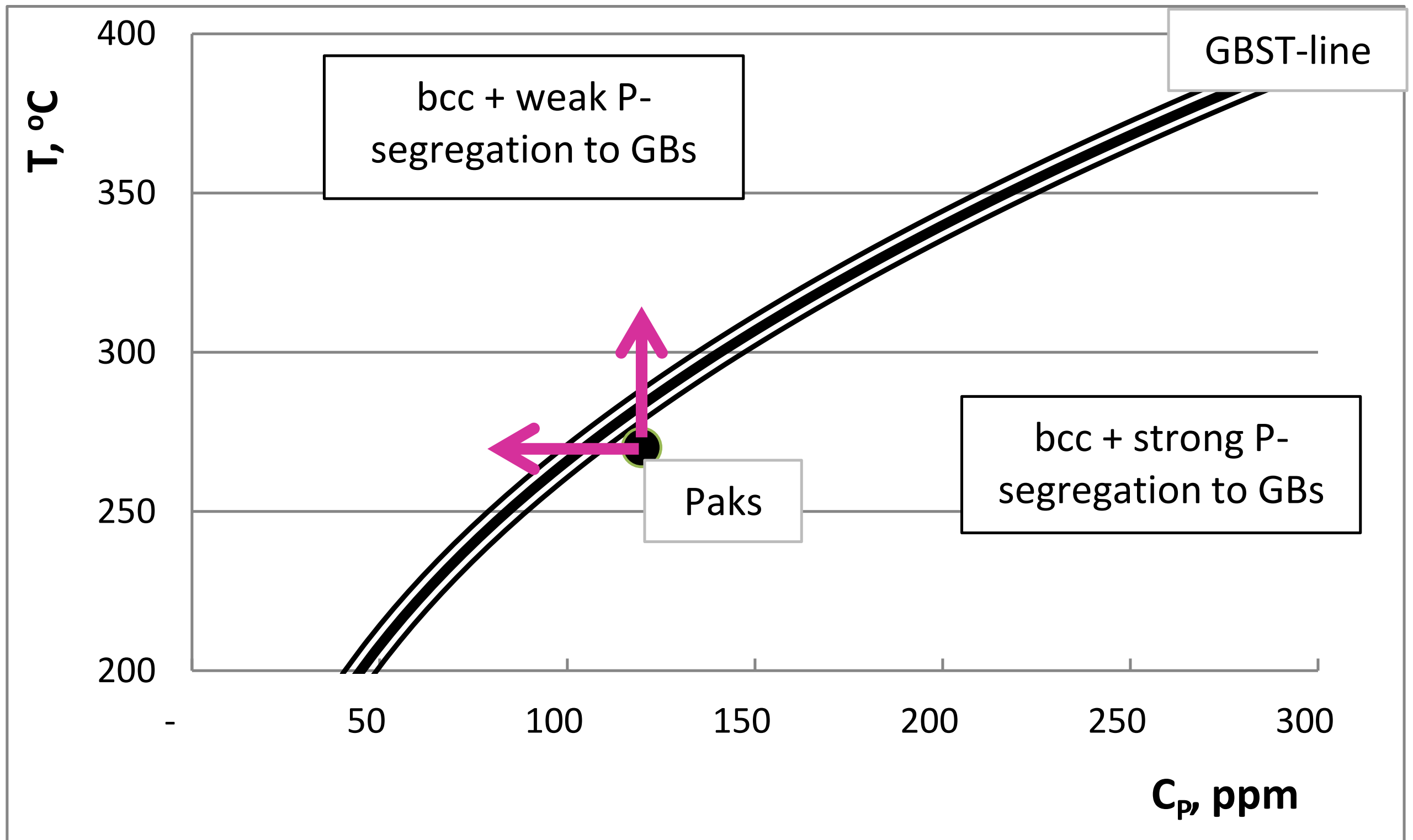














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Department of Nano-materials, July, 2013

Lidija / Jozsi / Anais / Orsi / David / David / / Kati / Peter / Jozsi / George / Timi / Csaba



Thank you for your attention

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