Microstructural Control of Heat Resistant Alloys

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HOMEPAGE

http://sigma.numse.nagova-u.ac.jp/index.html

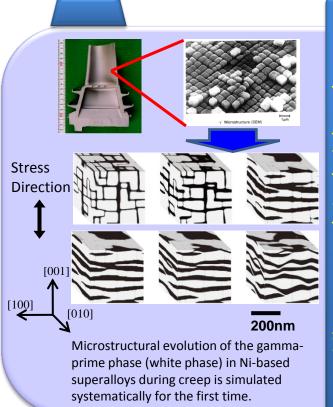


Prof. Yoshinori MURATA

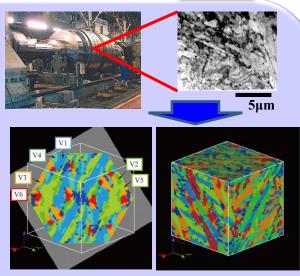
Innovation of Heat Resistant Metallic Materials based on their Microstructural Design



Heat resistant alloys saving the global environment



Microstructural Analysis based on



The mechanism for the formation of sub-block structures (V1~V6) in lath martensite phase, which is formed in advanced heat resistant steels, is elucidated for the first time by the phase field simulation using two-types slip deformation model developed originally.