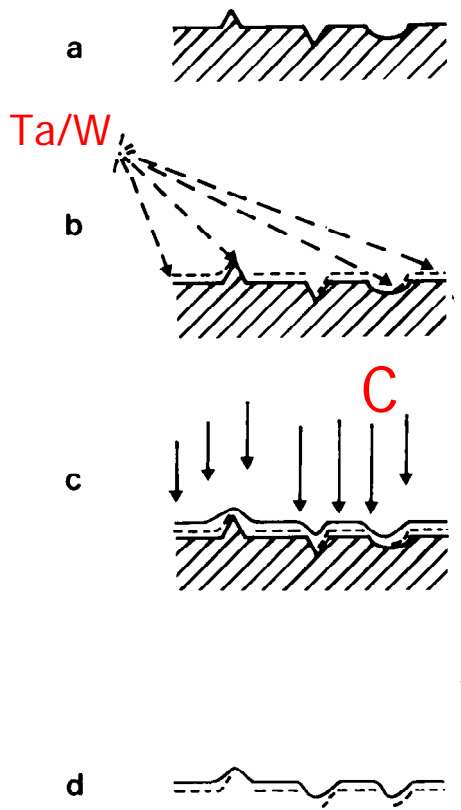


BAF 360M

Institution: University of Cologne
Scientist in charge: Lhoussaine Belkoura

FFEM - Specimen freeze fracture and replication

Shadowing and coating in high vacuum chamber



Frozen fracture face

shadowing with Ta/W at 45°

Stabilisation with Carbon layer at 90°

after removing underlying material, a replica is obtained

BAF 360 M, high vacuum shadowing and coating device

The coating and shadowing device BAF 360 M is a modified unit. It has been equipped with a turbo molecular pump to ensure oil-free vacuum. A transfer window has been constructed to allow contamination-free insertion of the samples under a permanent nitrogen flow coming from the inside of the bell jar without opening the bell jar.

