

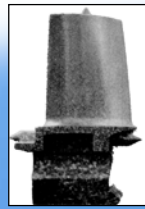
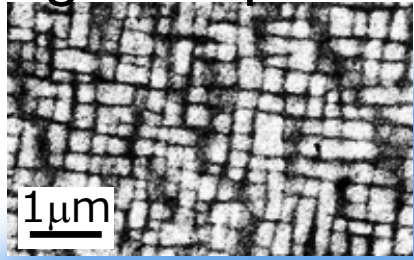
MM-3: Structural and Functional Materials

Mechanical property



Geometry and deformation behavior of the interface between different phase

High-temperature alloy

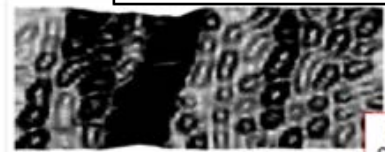


Turbine blade



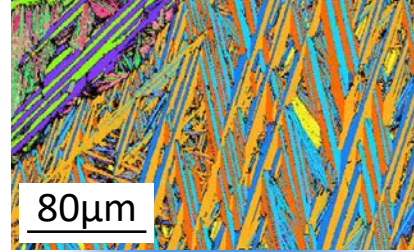
FCC SC Multiple-Slip

Ductile Fracture



FCC SC Single-Slip

Shape memory alloy

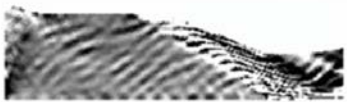


Resolution of the controlling factor by **experimental** and **computational** methods

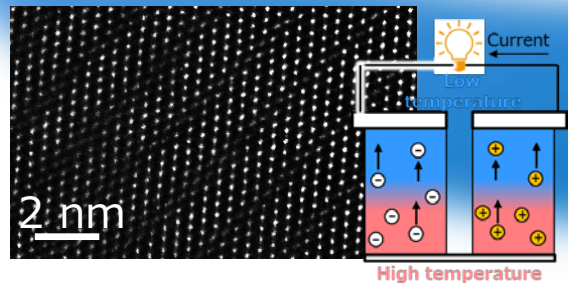
BCC SC Cyclic Straining



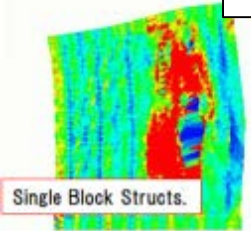
Fatigue Crack Initiation



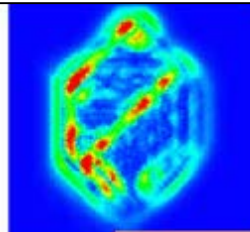
Thermo-electric material



Creep Rupture



Single Block Structs.



Embedded Packet Structures