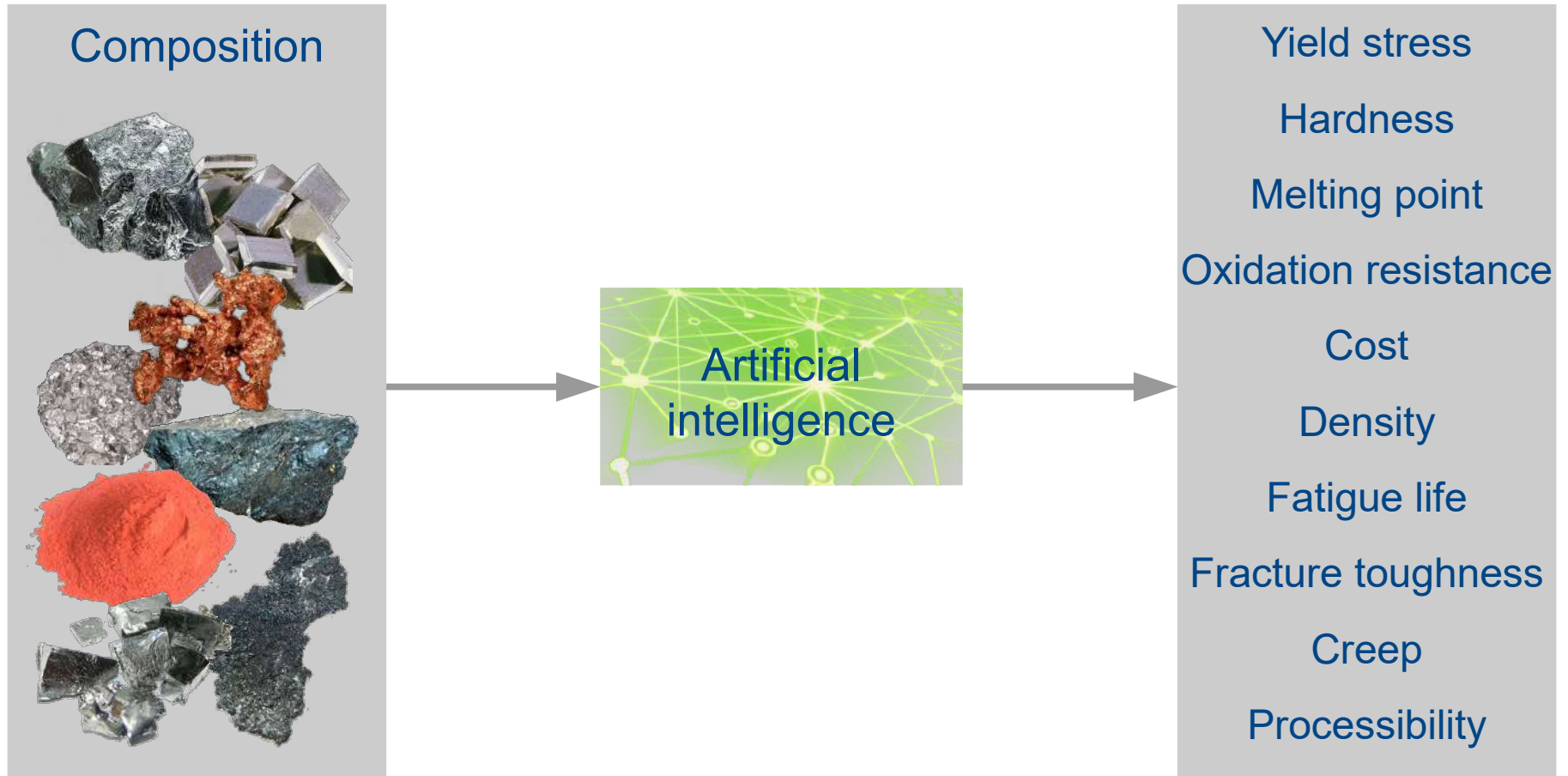


Materials discovery with artificial intelligence

Gareth Conduit

TCM Group, Department of Physics

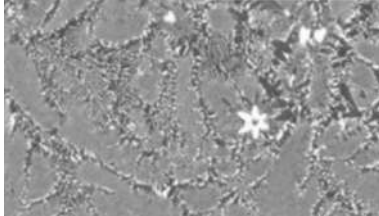
Artificial intelligence



Alloys discovered

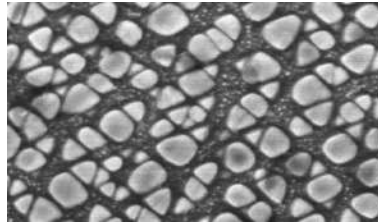
Cr-Cr₂Ta alloys

Intermetallics, 48, 62



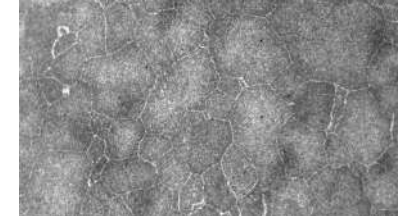
Combustor alloy

GB1408536



RR1000 grain growth

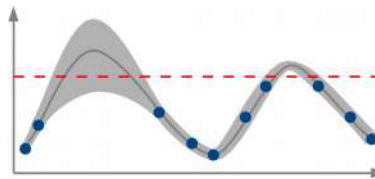
Acta Materialia, 61, 3378



Discovery algorithm

EP2778990

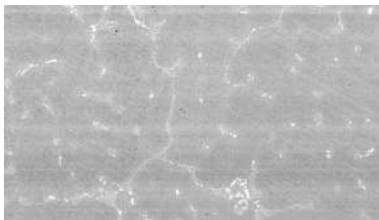
US 2014/0236548



Mo-Hf forging alloy

EP2796580

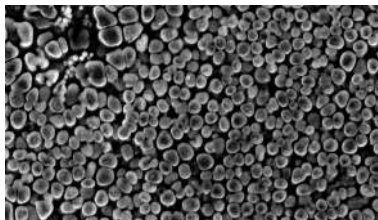
US 2014/223465



Ni disc alloy

EP2805784

US 2014/0348689



Mo-Nb forging alloy

EP2796581

US 2014/0322068

