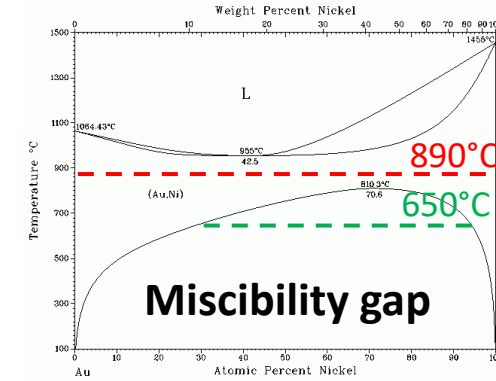
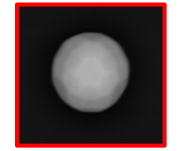


Topic: Evolution of nanofacets during dealloying in AuNi alloy NPs

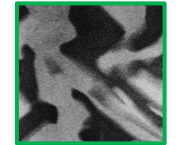
- Description:
- E-Beam evaporation of thin Au/Ni bimetallic films
 - Production of Wulff-shaped AuNi alloy nanoparticles via Rapid Thermal Annealing (RTA) above miscibility gap
 - Detailed SEM analysis of nanofacettes
 - Parameter study for production of dealloyed NPs via heating within miscibility gap
 - Analysis of preferred segregation sites
 - Analysis of facet-evolution after dealloying



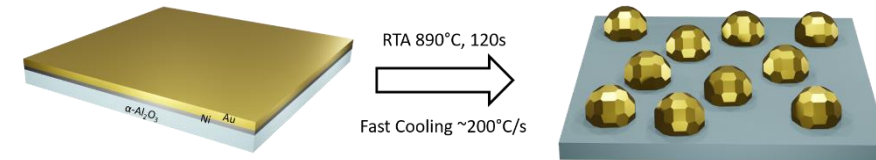
Massalski T., Binary alloys phase diagrams 1992



alloy formation



dealloying



Start: 05/22

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