

Exam topics (for the initial discussion)

1. Characterization powders/ceramics;
2. Powder synthesis/production/ TD and K;
3. Milling, classification, dispersion, wetting;
4. Colloidal stability, DLVO, Hamaker;
5. Rheology, mixing, granulation, forming (including thin and thick layers)
6. Thermal treatments, sintering (Solid State, Liquid Phase)
7. Microstructure control, doping, GB