



Contribution ID: 89

Type: **Talk**

Structural characterization and mechanism for crystal desolvation induced by polymer-assisted grinding

Wednesday, 16 March 2022 09:00 (20 minutes)

Polymer-assisted grinding is shown to be an effective method to remove solvent molecules from a crystal solvate. The desolvation can be tuned based on polymer type and amount. Products are characterized by x-ray diffraction, pair distribution function analysis, Raman spectroscopy, and theoretical energy calculations to investigate the structural implications and mechanism at hand.

Primary author: TERBAN, Maxwell

Co-authors: MADHAU, Leillah; CRUZ-CABEZA, Aurora J.; OKEYO, Peter O.; ETTER, Martin; SCHULZ, Armin; RANTANEN, Jukka; DINNEBIER, Robert E.; BILLINGE, Simon J. L.; MONEGHINI, Mariarosa; HASA, Dritan

Presenter: TERBAN, Maxwell

Session Classification: Crystallization and Crystal Growth Processes

Track Classification: Main conference: Crystallization, Crystal Growth Processes, Synthesis