



CMCC Mechanochemistry Discussions

Online Seminar Series

Mechanochemistry: An Enabling Technique for Organic Synthesis, Catalysis and More

**Livestreaming at
10:00 AM (CT)**

THURS., January 16, 2025

on the CMCC YouTube Channel:

<https://www.youtube.com/channel/UC7eCYPKbGTKpgO7W2bNABxg>



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ABSTRACT

IUPAC defines a "mechano-chemical reaction" as a "chemical reaction that is induced by the direct absorption of mechanical energy".¹ We are using such activation in synthesis and catalysis, where it has proven beneficial.² Selected recent examples from our group will be presented here.

References:

1. IUPAC. Compendium of Chemical Terminology, 2nd ed. (the "Gold Book"), Blackwell Scientific Publications, Oxford, 1997 and cited in PAC 2004, 76, 889.
2. James, S. L.; Collier, P.; Parkin, I.; Hyett, G.; Braga, D.; Maini, L.; Jones, B.; Friscic, T.; Bolm, C.; Krebs, A.; Mack, J.; Waddell, D. C.; Shearouse, W. C.; Orpen, G.; Adams, C.; Steed, J. W.; Harris, K. D. M. Chem. Soc. Rev. 2012, 41, 413.



The CMCC is supported by the Division of Chemistry of the National Science Foundation under grants: 2023644 (Phase I) and 2303044 (Phase II).

