ON THE COVER: Initiation of neck formation is shown, modeled within the kinetic Monte Carlo approach that was also applied to the evolution of the resulting bridging regions for configurations involving small particles initially positioned fitted between large particles in sintering of noble-metal nanocrystals. Neck initiation mechanisms by layering or clustering were identified, and the stability of the resulting bridging was found to depend on several parameters including the relative particle sizes, explaining recent experimental findings on improved sintering achieved for certain bimodal size distributions. [Credits: Vyacheslav Gorshkov, Vasily Kuzmenko, and Vladimir Privman, “Mechanisms of Interparticle Bridging in Sintering of Dispersed Nanoparticles”, J. Coupled Syst. Multiscale Dyn. 2 (2), 91–99 (2014).]