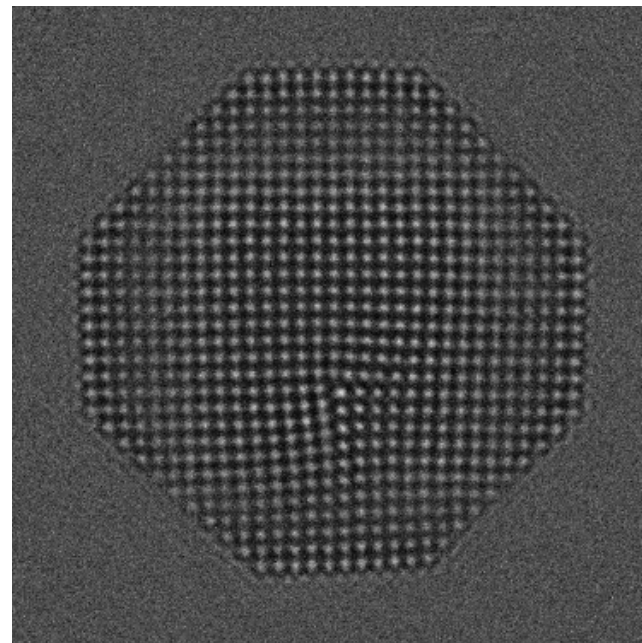


# Strain Mapping in HRTEM Images

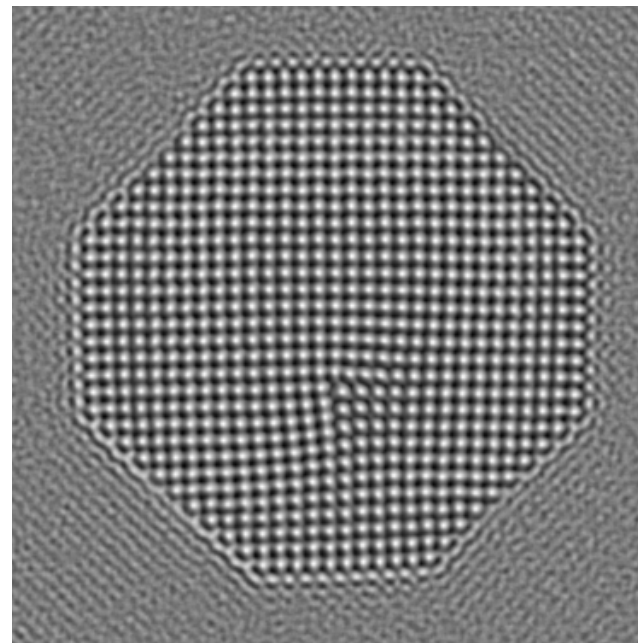
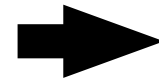
Jacob Madsen<sup>a</sup>, Pei Liu<sup>b</sup>, Thomas Willum Hansen<sup>b</sup>, Jakob Schiøtz<sup>a</sup>

a) Center for Atomic Scale Materials Design, Department of Physics, Technical University of Denmark

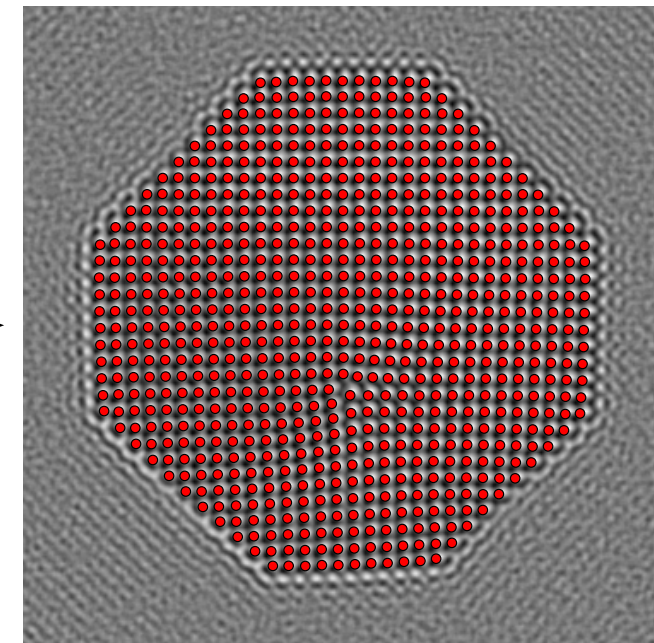
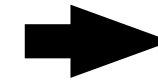
b) Center for Electron Nanoscopy, Technical University of Denmark



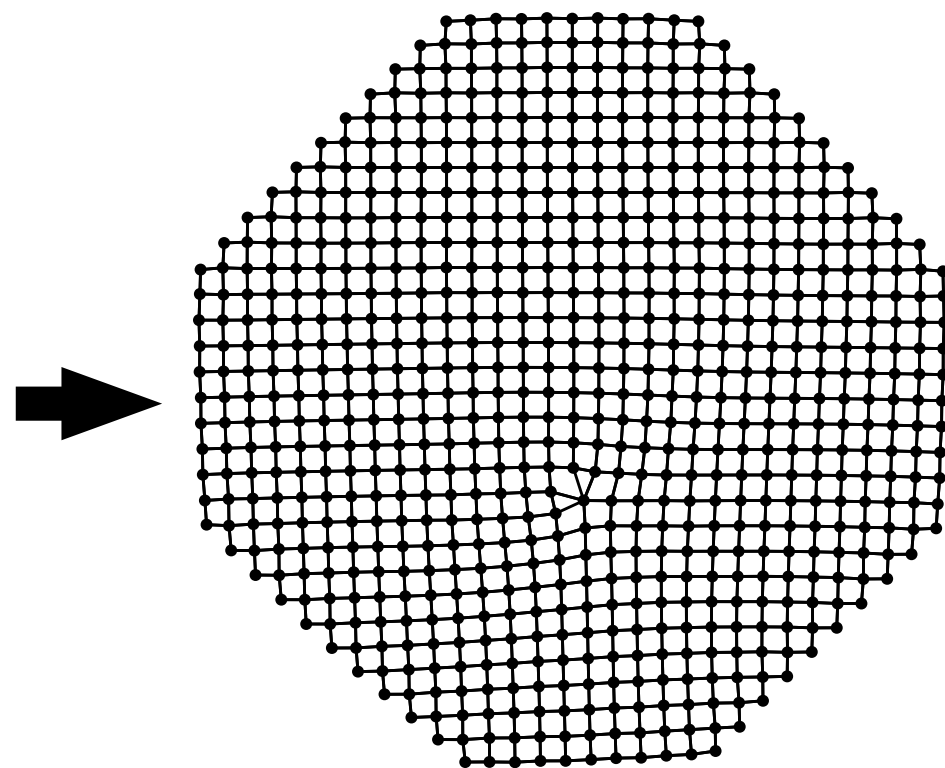
Noisy simulated HRTEM image



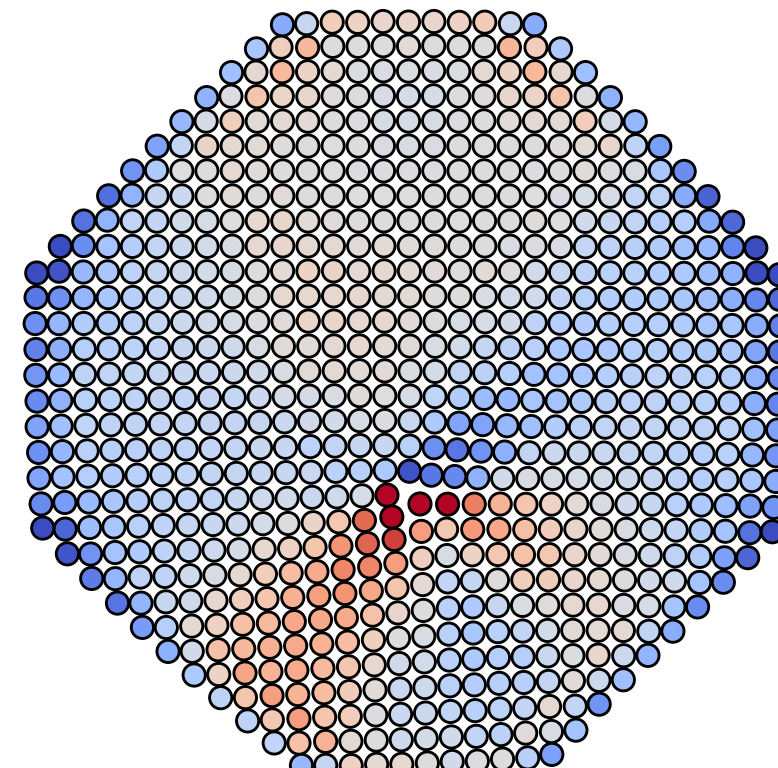
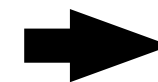
Correlation coefficient with peak template



Identified positions of atomic columns



Lattice of atomic columns



Map of elastic strain

