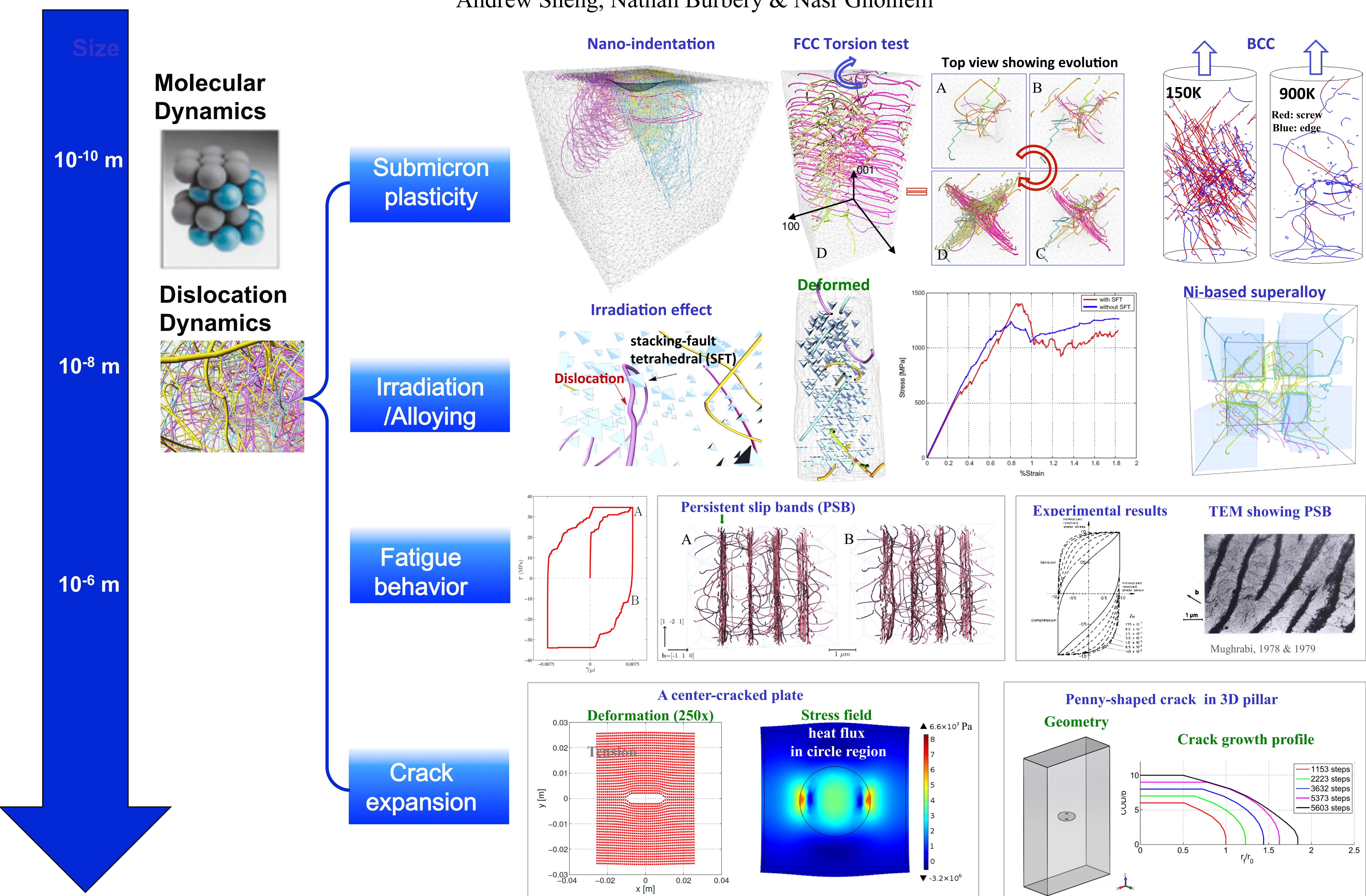


Primary Developer: Giacomo Po

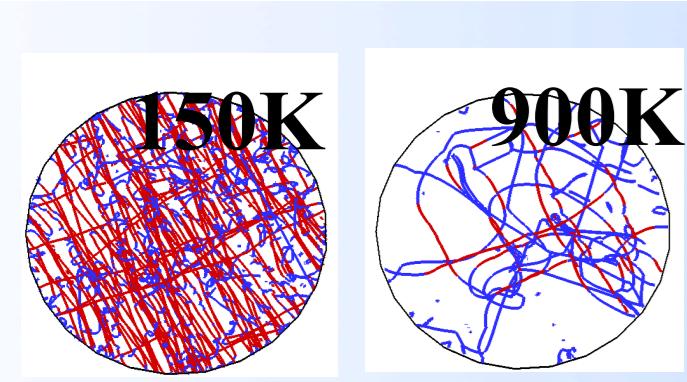
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MoDELib is an open source C++ code for direct numerical simulations of plastic deforation & fracture:

1. Dislocation Dynamics in arbitrary-shape finite domains (MoDELib-DD).
2. Dislocation motion can be constrained on internal/ external interfaces.
3. Coupled with FEM solutions of general field problems : diffusion, heat conduction, rate theory (MoDELib-Field).
4. Microplasticity in polycrystals (MoDELib-Poly).
5. 3-D crack-dislocation problems (MoDELib-Crack).

website: <https://bitbucket.org/model/model/wiki/Home>



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