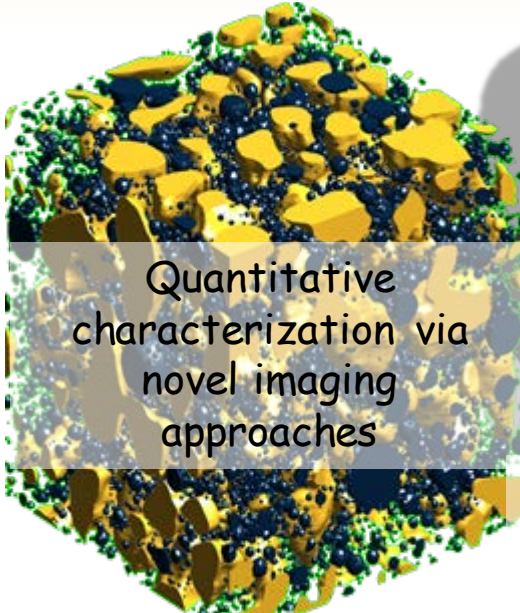


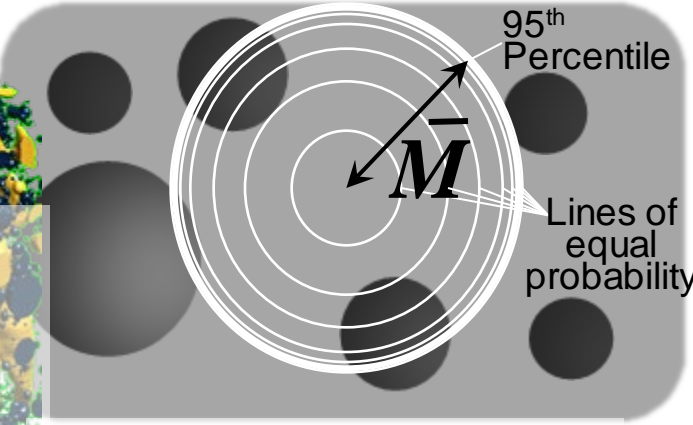
Multi-scale Structure and Performance of Infrastructure Materials



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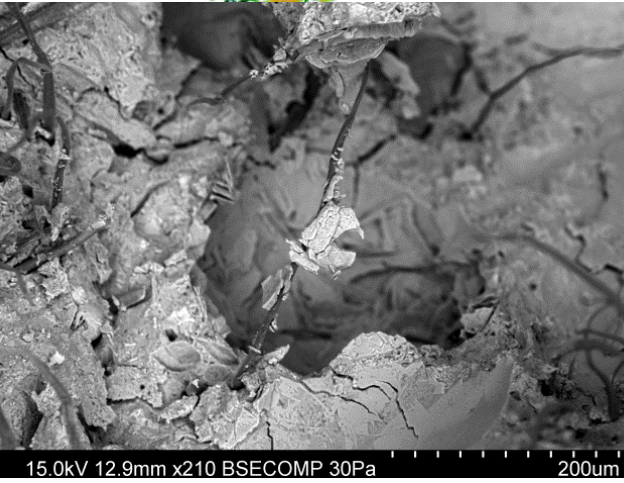


Quantitative characterization via novel imaging approaches



Probabilistic descriptions of microstructure

- Tailoring material composition & structure → performance via fundamental studies of reaction mechanisms and damage propagation
- Multi-scale approach to material behavior
- Sustainable construction materials



Toughening with Bio-fiber Reinforcement

