

<Editorial>

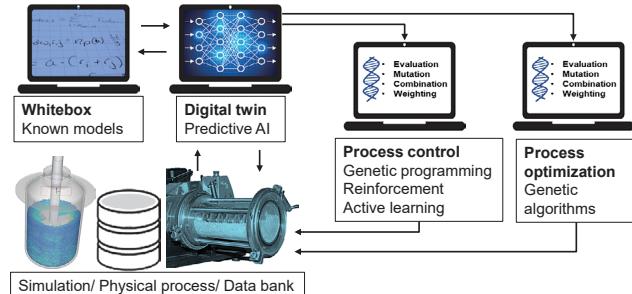
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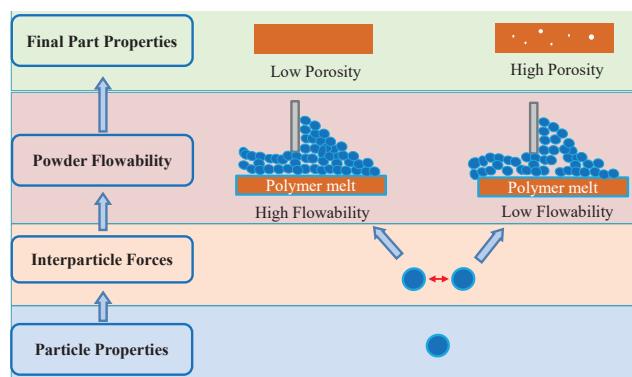
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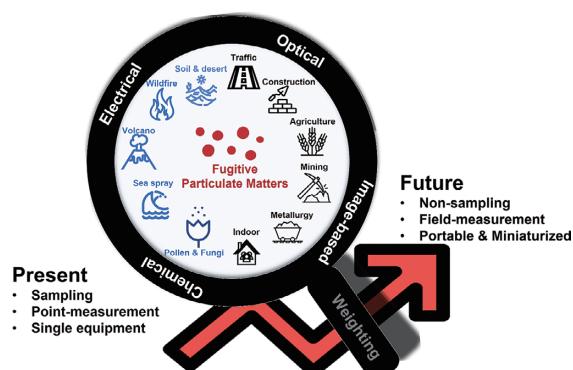
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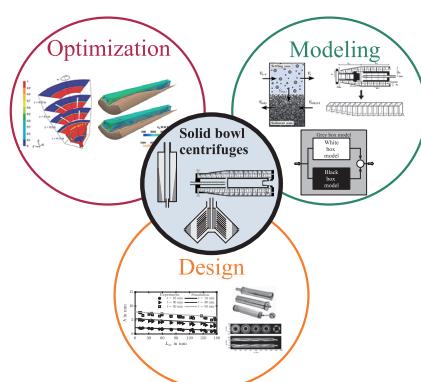
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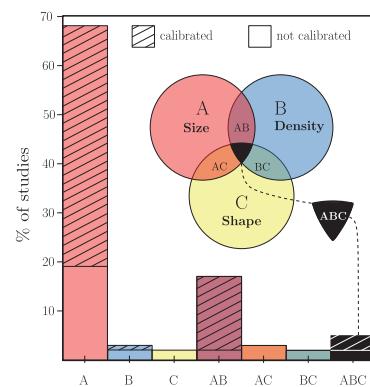
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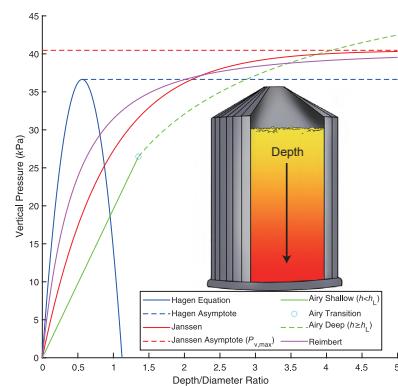
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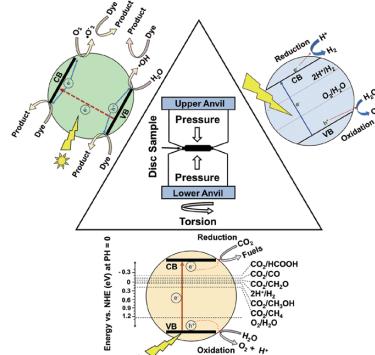
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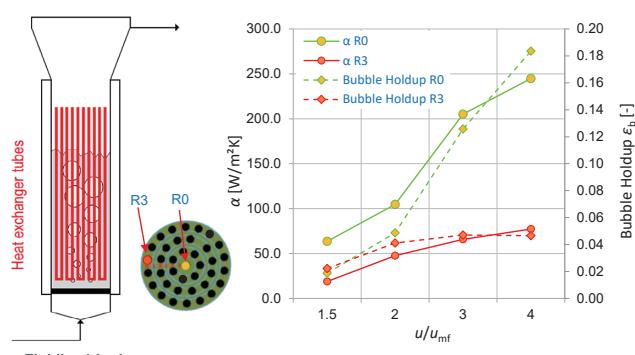
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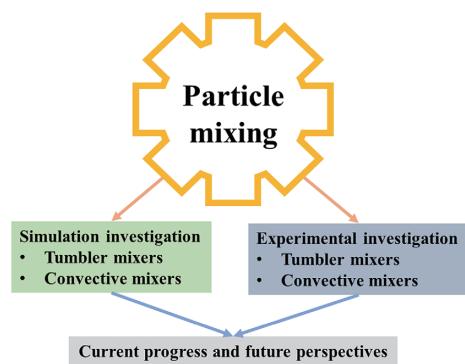


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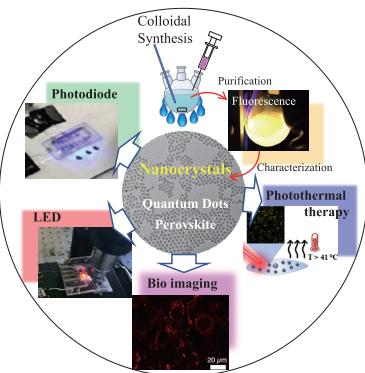


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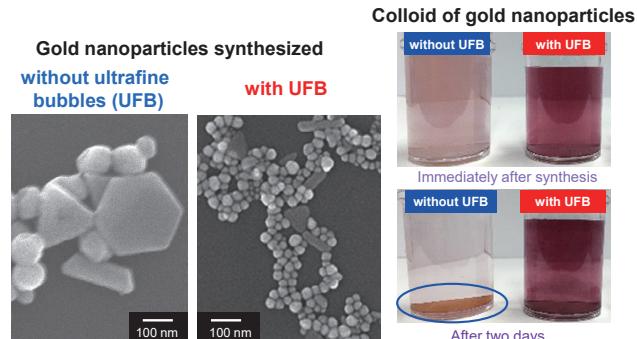
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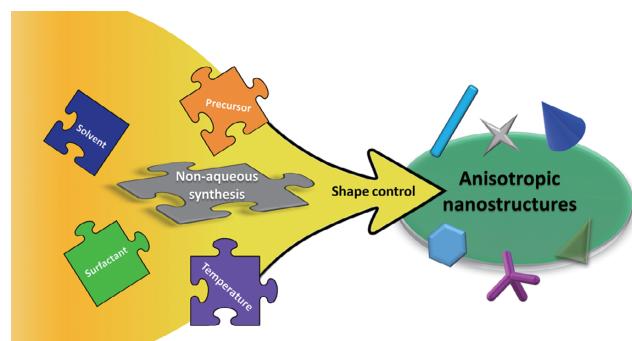
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183 Characteristics of Ultrafine Bubbles (Bulk Nanobubbles) and Their Application to Particle-Related Technology



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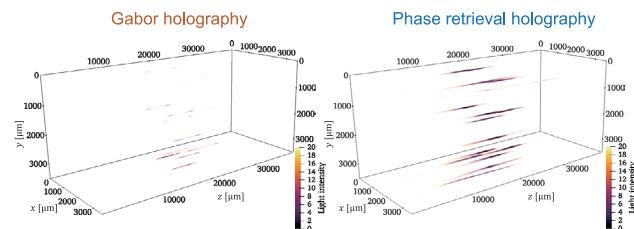
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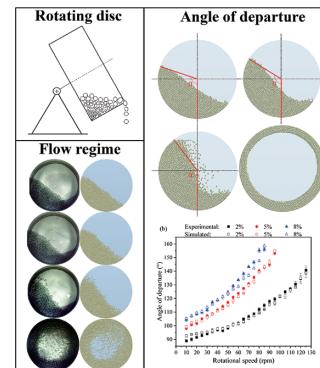
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- 221 Particle Size Measurement Using a Phase Retrieval Holography System with a GPU-Equipped SBC**



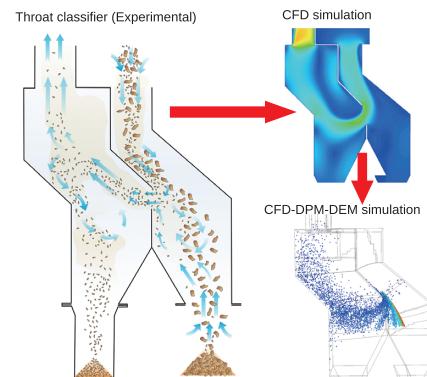
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- 242 Simulation of the Classification of Manufactured Sands in the Throat Air Classifier**



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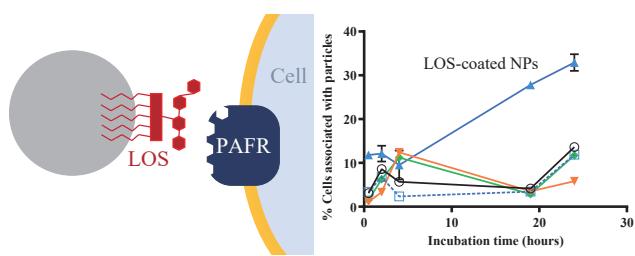
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280 The 55th Symposium on Powder Technology



282 4th International Hosokawa Powder Technology Symposium Held in Germany

284 The KONA Award 2022 (Awardees: Prof. Dr. Hidehiro Kamiya and Prof. Dr. Toshitsugu Tanaka)

286 General Information



Fundamentals: Characterization and control of **adhesion, aggregation / dispersion, and packing** behavior by using interface molecular and nanometer scaled structure design
/ Development of new characterization method, such as colloidal probe AFM method and NMR,
/ Molecular design of ligand for nanoparticle dispersion, nanoparticles coating on fine particles.

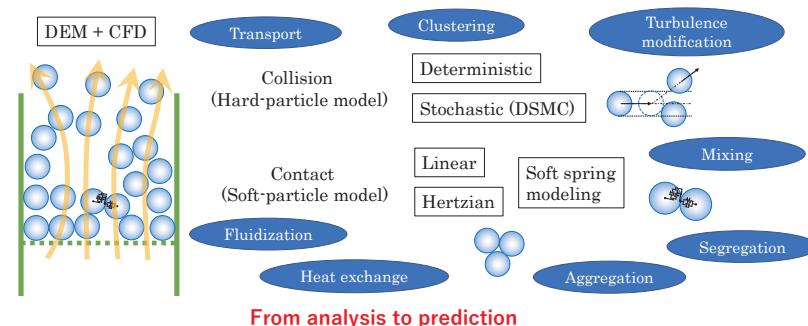


Particle adhesion and aggregation behavior characterization and control.

Selected research achievements for the KONA Award 2022 (Awardee: Prof. Dr. Hidehiro Kamiya):
Particle adhesion and aggregation behavior characterization and control.



Discrete Particle Modeling and Simulation of Granular Flow
— Pioneering development of numerical prediction of granular flow and gas-solid flow —



Selected research achievements for the KONA Award 2022 (Awardee: Prof. Dr. Toshitsugu Tanaka):
Development of discrete particle modeling and simulations of gas-solid flows and granular flows.