

Development of innovative adhesion technologies for realizing Society5.0

Innovative Adhesion Technology Based on 4-dimensional Multi-scale Analysis of Interfaces

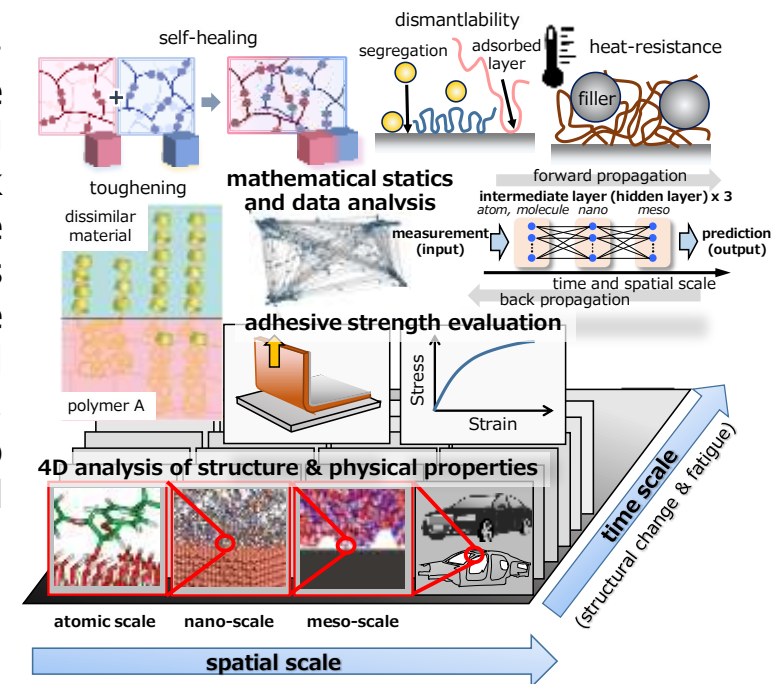
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Summary :

The objective of this project is to introduce an innovative state-of-the-art adhesion technology based on an *in-situ* 4-D multi-scale analyses of adhered interfaces, in conjunction with molecular-level manipulation and fabrication of polymers. This collaborative work involves strong collaboration between the academe and the industry rooted from establishing fundamental science at interfaces to manufacturing of components for mobilities utilizing the envisioned adhesion technology. This project could also lead significant developments in the areas of sensors and devices, electronics, social infrastructure, and manufacturing, envisioned to accelerate the realization of Society 5.0 by linking these achieved goals to social economic structure transformation.



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