

## Dynamics and Coating Windows of Various Coating Processes

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Understanding of fundamentals of coating flows and their applications is very important to IT industries, because coating flows are playing a key role in manufacturing most of IT products with high added-values. Thus, product quality and processability in IT industries are critically determined by the optimal control of coating flows with free surface. There are many kinds of coating processes according to their own flow characteristics. In this talk, fundamental flow dynamics of several coating processes such as roll coating, slide coating, and curtain coating and their coating windows limited by specific flow instabilities will be reviewed.

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