

## Several Issues in the High-Speed Fabrication of Coating Layers

남재욱<sup>†</sup>  
서울대학교

(jaewooknam@snu.ac.kr<sup>†</sup>)

High-performance, multi-function, and flexibility are often requirements for next-generation electronics devices and systems, such as flexible display and energy harvest (or storage) devices. Key components of these devices are a film, typically a polymer or soft substrate that contains several superimposed layers made from electrically conducting, semiconducting, and insulating materials. Such layers can be deposited via various coating processes. Among them, continuous liquid coating process, a type of roll-to-roll process, is widely recognized as an attractive route to produce cost-effective, high-throughput and large-area coated layers. The coating liquid that contains various types of particles, additives (such as binder) and solvents may show complex rheological properties.