

## More on the droplet deposition in annular two-phase flow

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This is the abstract of my potential keynote talk entitled "More on the droplet deposition in annular two-phase flow." Since the droplet deposition from vapor core to liquid film is of great importance in predicting the occurrence of film dryout in annular two-phase flow regime, many studies were carried out for the accurate evaluation of the deposition rate of droplets. However, since the droplet deposition is the mass transfer process of extreme complexity, the influences of many factors have not been understood sufficiently. The effects of two such factors are discussed in this talk: one is the deposition augmentation occurring around the obstacle placed in a flow channel and the other is the possibility of the presence of secondary entrainment caused by the drop impact onto a liquid film.