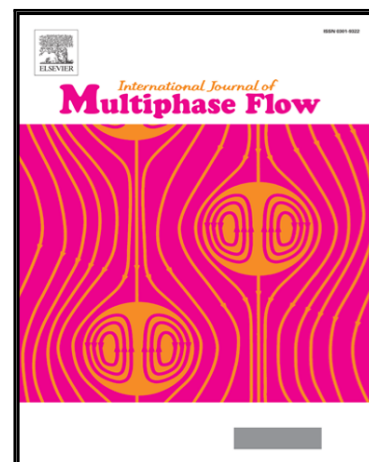


## Accepted Manuscript

Void fraction measurements of bubbly flow in a horizontal 90 degree bend using wire mesh sensors

Robert C. Bowden , Étienne Lessard , Sun-Kyu Yang

PII: S0301-9322(17)30235-5  
DOI: [10.1016/j.ijmultiphaseflow.2017.09.009](https://doi.org/10.1016/j.ijmultiphaseflow.2017.09.009)  
Reference: IJMF 2650



To appear in: *International Journal of Multiphase Flow*

Received date: 5 April 2017  
Revised date: 20 September 2017  
Accepted date: 21 September 2017

Please cite this article as: Robert C. Bowden , Étienne Lessard , Sun-Kyu Yang , Void fraction measurements of bubbly flow in a horizontal 90 degree bend using wire mesh sensors, *International Journal of Multiphase Flow* (2017), doi: [10.1016/j.ijmultiphaseflow.2017.09.009](https://doi.org/10.1016/j.ijmultiphaseflow.2017.09.009)

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

**Highlights**

- New local void fraction data pertaining to horizontal air-water bubbly flows including near slug flow regime transition using Wire Mesh Sensors
- Results demonstrating the effects of 90 degree horizontal bends, superficial gas and liquid velocities on void fraction distribution
- Application of statistical techniques to discretize transitional bubbly-slug flow pattern into constituent small bubble and large bubble flow patterns.

Download English Version:

<https://daneshyari.com/en/article/7060173>

Download Persian Version:

<https://daneshyari.com/article/7060173>

[Daneshyari.com](https://daneshyari.com)