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WRITING & PUBLISHING IN HIGH IMPACT JOURNAL

*2nd Mechanical Engineering Postgraduate Conference
20th April 2011*

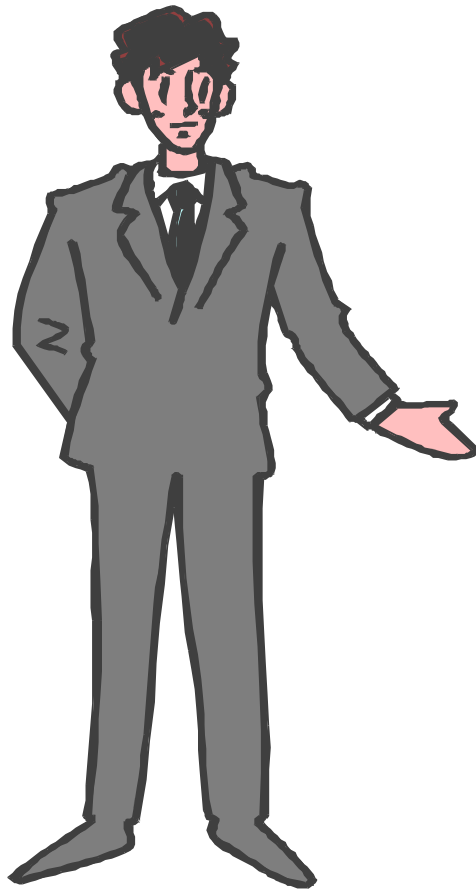
*DR. NOR AZWADI CHE SIDIK
Faculty of Mechanical Engineering
Universiti Teknologi Malaysia*



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Why W & P ??



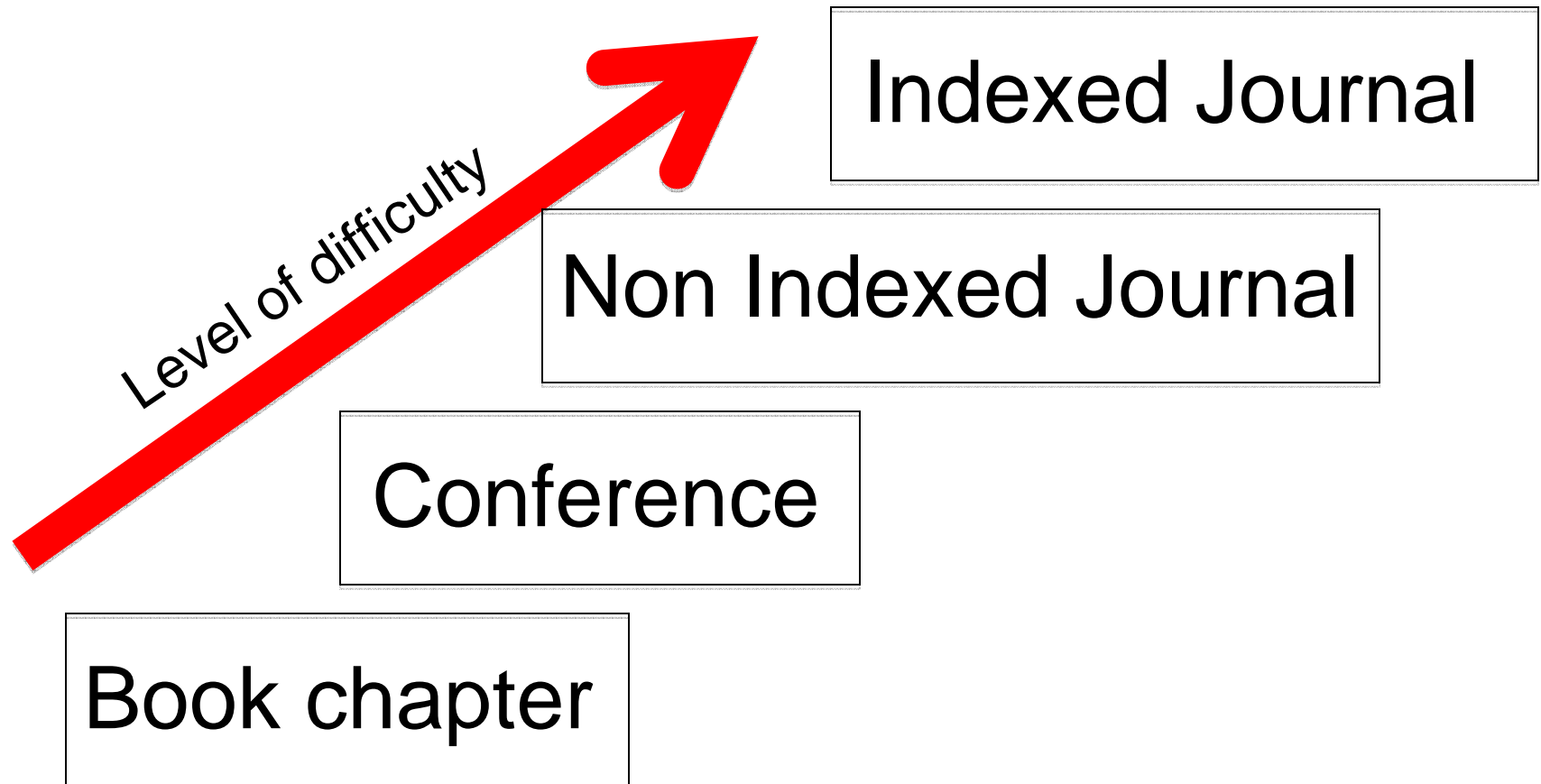
- Requirement for graduation
- Requirement for promotion
 - To get reward/award
 - To be recognized
- To disseminate knowledge



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Where to Publish??





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Book Chapter



Local publisher

ex: Penerbit UTM

- Recent trends in Mechanical Engineering
- Advances in Numerical Method

International Publisher

INTECH, WSEAS (ISI)



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Conference

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Conference with non-indexed proceedings



Conference with indexed proceedings

IEEE conference (Scopus) www.ieee.org

WSEAS Conference (Scopus/ISI) www.wseas.org

WASET Conference (Scopus) www.waset.org

AIP Proceeding (Scopus/ISI) proceedings.aip.org



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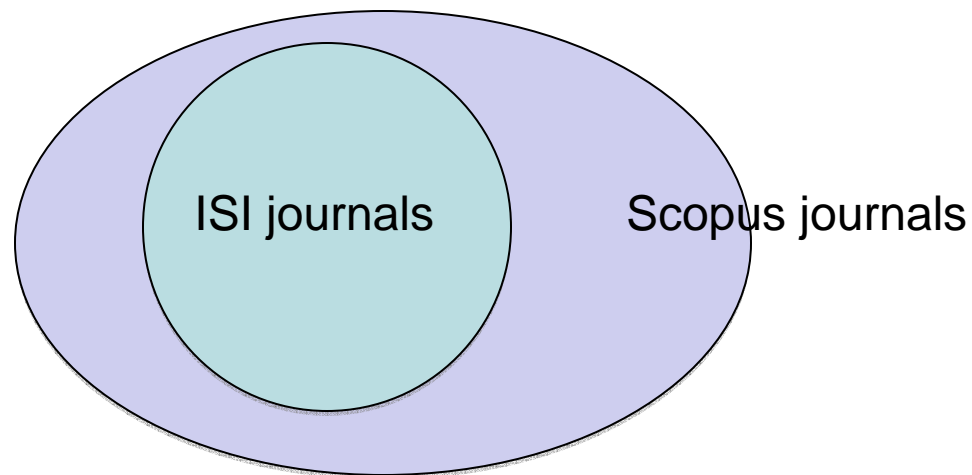
Journal

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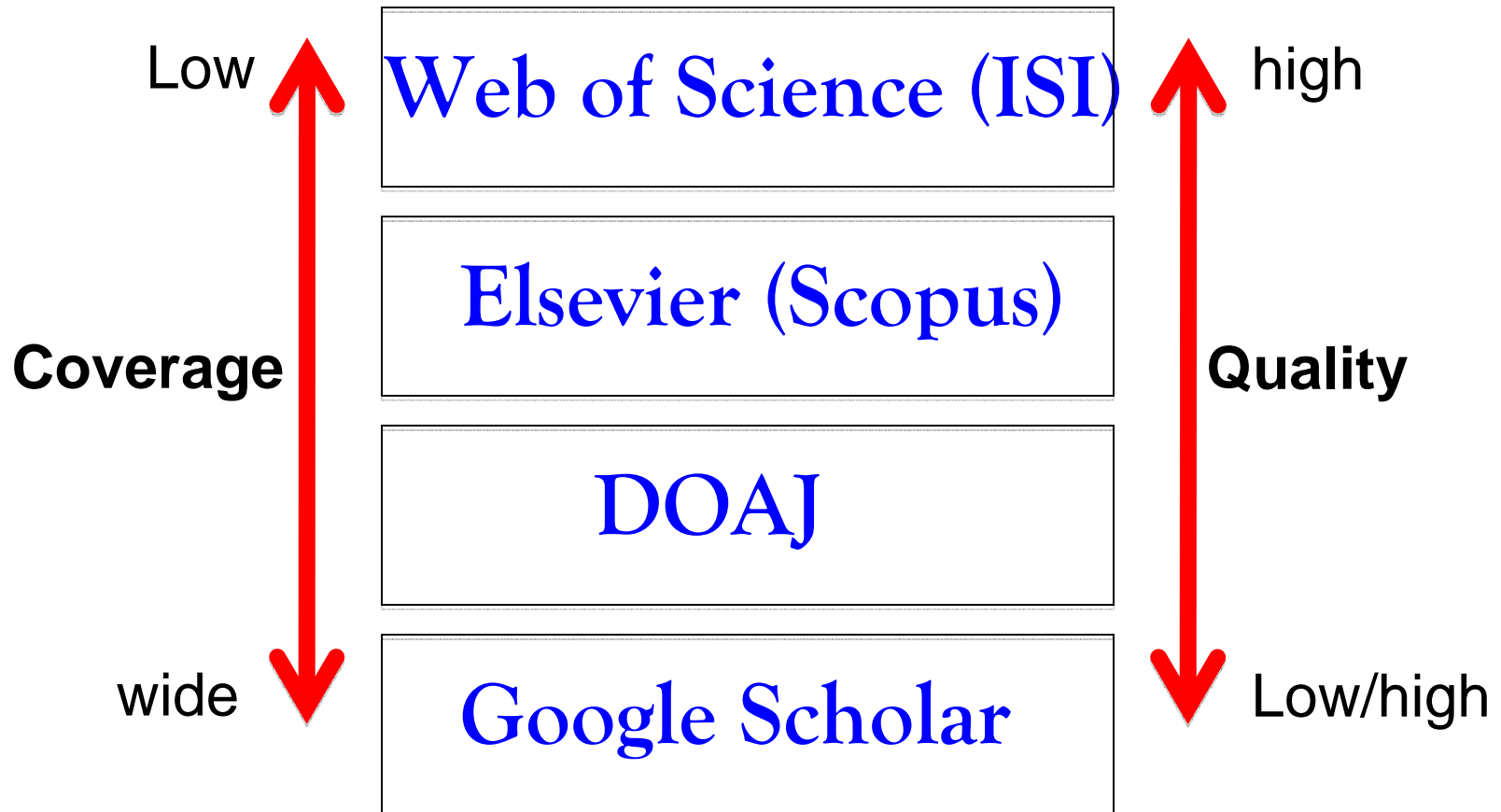
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Journal Indexing service



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	Document title	Author(s)
<input type="checkbox"/>	Semidiscrete central-upwind scheme for conservation laws with a discontinuous flux function in space	Wang, G.
1		

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How to check your Scopus indexed papers

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The screenshot displays the Scopus search results page. At the top, it shows 'Scopus: 44' with buttons for 'More...', 'Web', and 'Patents'. Below this is a navigation bar with 'Your query: ALL(azwadi)' and options to 'Edit', 'Save', 'Set alert', 'Set feed', and 'View search history'. The main content area is divided into two columns. The left column contains 'Search within results' with a search box and a 'Search' button, and 'Refine results' with 'Limit to' and 'Exclude' buttons. The right column shows 'Document results: 44' with a 'Show all abstracts' link. Below this, there are checkboxes for 'All' and 'Page', and a list of actions: 'Download PDF', 'Export', 'Print', 'Email', 'View citation overview', 'View citations', and 'View full text'. The first result is titled 'Simulation of natural convection heat transfer in an enclosure using the lattice-Boltzmann method'.



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AAPS Journal
AAPS PHARMSCITECH
AATCC REVIEW
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Abstract and Applied Analysis
ACADEMIC EMERGENCY MEDICINE
ACADEMIC MEDICINE
ACADEMIC RADIOLOGY
ACCOUNTS OF CHEMICAL RESEARCH
ACCREDITATION AND QUALITY ASSURANCE
ACI MATERIALS JOURNAL
ACI STRUCTURAL JOURNAL
ACM COMPUTING SURVEYS
ACM Journal on Emerging Technologies in Computing Systems
ACM SIGPLAN NOTICES
ACM Transactions on Applied Perception
ACM Transactions on Architecture and Code Optimization
ACM Transactions on Autonomous and Adaptive Systems
ACM Transactions on Computational Logic
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ACM Transactions on Information and System Security
ACM TRANSACTIONS ON INFORMATION SYSTEMS
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1) Search by:	2) Type search term:
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6. Journal impact factor 1.270

Mark	Rank	Abbreviated Journal Title <i>(linked to journal information)</i>	ISSN	JCR Data ⁱ				
				Total Cites	Impact Factor	5-Year Impact Factor	Immediacy Index	A
<input type="checkbox"/>	1	COMPUT FLUIDS	0045-7930	2475	1.270	1.831	0.408	



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in

Example: O'Brian C OR OBrian C**

in

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- 1. Title: [Numerical Investigation of Fluid and Thermal Flow in a Differer](#)
Author(s): Shahrul, OA; Azwadi, CSN; Izual, NIN
Conference Information: **3rd WSEAS International Conference on Engli
Conference on Geography and Geology**, Date: **JUL 22-24, 2010 Corfu**
Source: **LATEST TRENDS ON ENGINEERING MECHANICS, STRUCTU**
Times Cited: **0**
- 2. Title: [Virtual Investigation of Plume Behavior from a Heated Eccentr](#)
Author(s): Azwadi, CSN; Syahrullail, S
Conference Information: **9th WSEAS International Conference on Appli**
...



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HOW TO WRITE JOURNAL PAPER

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Title

Affiliation

Abstract

Keywords

1. Introduction

2. Materials and Methods

3. Results/Findings and Discussion

4. Conclusion/s

Acknowledgements

References



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TITLE

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- Normally 15 WORDS!
- Brief (short & sharp) phrase describing/reflecting the contents of the paper.
- Concise and informative.
- Avoid abbreviations, prepositions and formulae where possible



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- Print authors' full names and affiliations, the name of the corresponding author along with HP/office phone (International Code), fax and e-mail information & complete current addresses
- Be consistent with your own names for e-search databases/citation purpose

Main author must be corresponding author (student can be a corresponding author)

UTM affiliation “Universiti Teknologi Malaysia”



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ABSTRACT

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100-250 WORDS

Contain the following;

- introductory statement,
- objective/s,
- scope of the experiments/methodology,
- major results/findings
- conclusions (with research limitations/Implications (if applicable) – Exclusions/next steps, practical implications (if applicable) – Applications to practice/'So what?' Social implications (if applicable) – Impact on society/policy/future work/suggestions/recommendations)

Should be written in the past tense

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ABSTRACT

Sample of good abstract

Title: LAGRANGIAN-LAGRANGIAN NUMERICAL SCHEME FOR FLUID SOLID INTERACTION

Abstract. Research on numerical schemes on fluid-solid interaction has been quite intensive in the past decade. The difficulties associated with accurate predictions of the interaction at specific spatial and temporal levels. Traditional computational fluid dynamics schemes are struggling to predict at high level of accuracy for this type of problem. Hence, in the present study, an alternative numerical scheme was proposed to predict the fluid flow and coupled with a Lagrangian scheme on the prediction of solid phase. The dynamics of a solid particle in a lid-driven cavity was investigated at a wide range of Reynolds numbers. The results show that the particle trajectories are critically dependence on the magnitude of Reynolds numbers and the vortex behavior in the cavity. Good comparisons with the experimental and previous studies demonstrate the multidisciplinary applications of the present scheme.

Introductory
statement

Objective
Scope

Findings
Conclusion

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INTRODUCTION

- Normally 1-1.5 pages
- Provides insights to the current or past problem
- Provides comprehensive literature review
- At least 15-20 references cited with most current literatures of 1-3 years back from the year of submission.
- Objective must appear in the last paragraph



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INTRODUCTION

Sample of good literature review

To the best of authors' knowledge, only Tsorng et al. (2006) reported details experimental results on the behavior of solid particles in lid-driven cavity flow from micro to macro size of particles. Other experimental works are Adrian (1991), Han et al. (1999), Matas et al. (2004), Ushijima and Tanaka (1996), Ide and Ghil (1997), Hu (2003), Liao (2002). However, according to these papers, high accuracy of laser equipments together with high-speed digital image capture and data interpretation system is required to obtain reliable experimental data. Such these high cost experimental devices will not be affordable if not supported by research fund.



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INTRODUCTION

As their model predicts excellent results when compared to the experimental results, **however**, the complicated nature of Navier-Stokes equation demands high computational time in resolving fluid part.

Last paragraph

The emphasis is on the integration of the meso-scale of LBM and the macro-scale of physical condition. Other numerical issues related to the fluid solid simulation are also highlighted. Therefore, the objectives of this study are coupling the technique of the LBM formulation and solid particle dynamics (Lagrangian-Lagrangian), and to do improvement on this fundamental knowledge on the fluid-solid interaction.

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Sample of bad literature review

Fan (2003) discovered that

Ali (1997) conducted experiments and demonstrated that.....

Abu and Hussain (19996) found that

Shows neither your understanding of the literature nor your ability to evaluate or analyze people's work



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CONCLUSION

- MUST FULFIL THE STUDY OBJECTIVES (eg. Two conclusions for two objective statements)
- INCLUDE HOW THE PAPER ADVANCES RESEARCH IN THIS AREA. WHAT IS UNIQUE ABOUT IT?
- REFERS TO ONLY WORK DONE IN THE STUDY
- SHOULD NOT BE MORE THAN ONE THIRD of A PAGE (OR BETTER STILL 1 PARA)
- INCLUDE STUDY PRACTICAL IMPLICATIONS/ RECOMMENDATIONS* OR FUTURE WORKS



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REFERENCE

Author, year style

- Adrian, R.J., *Particle-imaging techniques for experimental fluid mechanics*.
Ann. Rev. Fluid Mech., 1991. 23: p. 261-304.
- Alapati, A., Kang, S., Suh, Y.K., *3D lattice Boltzmann simulation of droplet formation in a cross-junction microchannel*, in *Proc. 3rd IASME/WSEAS Intl. Conf. Cont. Mech.* 2008.
- Breyiannis, G.V., *Lattice kinetic simulations in three-dimensional magneto hydrodynamics*. Phys. Rev. , 2004. E 69: p. 065702/1-065702/4.
- Cercignani, *The Boltzmann equation and its application in applied mathematical sciences*. Springer, 1988.



Numbering style

[1] Couette, M., 1890. Etudes sur le frottement des liquides. Ann. Chim. Phys., 21: 433.

[2] Taylor, G.I., 1923. Stability of a viscous fluid contained between two rotating cylinders. Philos. Trans. R. Soc. London, Ser. A, 233: 289.

[3] Di Prima, R. C., Swinney, H. L. 1981. Instabilities and transition in flow between concentric rotating cylinders, in: Hydrodynamic instabilities and transition to turbulence (Swinney, H. L., Gollub, J. P., eds.), p. 139. Springer

[4] Bühler, K., Wimmer, Zierp, M. J., and Coney J. E. R., 1986 Advances in Taylor Vortex Flow: A report on the Fourth Taylor Vortex Flow Working Party meeting Acta Mechanica, Vol 62(1) pp 47-61



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COVER LETTER

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Dear Editor,

I am pleased to submit a manuscript entitled 'Lagrangian-Lagrangian numerical scheme for fluid solid interaction' to be considered for publication in the International Journal of Multiphase Flow. We feel that this manuscript is relevant for publication in the International Journal of Multiphase Flow because of the main interest of the journal is in the recent progress in multiphase flow and its application in mechanical engineering and sciences.



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COVER LETTER

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The research paper of our study that focused in the mathematical formulations and integration between macro and meso-scale would make a significant contribution to knowledge. The objective of the research reported in this manuscript is to analysis the capability, accuracy and the efficiency of the proposed scheme and to investigate the solid fluid in a shear driven cavity. To the best of our knowledge, no similar finding has been reported by previous researchers.

Looking forward for a favorable reply from you soon.

Thank you.

With regards,
Dr. Nor Azwadi Che Sidik
Head, Department of Postgraduate Studies,
Faculty of Mechanical Engineering,
Universiti Teknologi Malaysia.

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COVER LETTER

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REFERENCE

Prof. Ahmad Fauzi, Seminar of how to write journal paper, FKM, UTM

Prof. Azman Hasan, Seminar of how to write journal paper, FKM, UTM

Prof. Kamaruzzan Jusoff, Workshop on W & P, Kuantan