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ERCIM "ALAIN BENSOUSSAN"
FELLOWSHIP PROGRAMME



Scientific Report

First name / Family name	Thuy Loan Nguyen Thi
Nationality	Vietnam
Name of the <i>Host Organisation</i>	University of Warsaw
First Name / family name of the <i>Scientific Coordinator</i>	Hung Son Nguyen
Period of the fellowship	01/10/2016 to 30/09/2017

I – SCIENTIFIC ACTIVITY DURING YOUR FELLOWSHIP

During this year, the fellow submitted papers and presented my research contributions, as well as the research contributions from my collaboration with members of the hosting team and other researchers.

In particular, the fellow has particular point of work such as:

1. Presenting the paper at SMC 2016 conference in Budapest, Hungary on 9-12 October 2016. (<http://www.smc2016.org/>)
2. Presenting the seminar at Lab of hosting on 14 October 2016.
3. Visiting at Norwegian University of Science and Technology (NTNU) from 5 March to 19 March 2017.
4. Presenting the seminar at Lab of visiting on 10 March 2017.

5. Presenting the paper at ICCSAMA 2017 conference in Berlin, Germany from 30 June to 1 July. (<https://cses.informatik.hu-berlin.de/de/research/conferences/iccsama2017>).
6. Presenting the paper of the ACIIDS 2017 conference in Kanazawa, Japan from 3 to 5 April 2017 (<https://aciids.pwr.edu.pl/2017/>).
7. Co-chair of a special session in INISTA 2017 conference in Gdynia, Poland from 3 to 5 July (<http://inista.org/inista17/>).
8. Presenting the paper of the ISAT 2017 conference in Szklarska Poręba, Poland from 17 to 19 September 2017, (<http://www.isat.pwr.edu.pl/>).
9. Some more papers will be written to submit into Journals/Conferences.

The main research of the fellow based on proposal which submitted to the ERCIM Office when apply the document for applicant. Moreover, the fellow can expense to the Scientific Coordinator's field.

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II – PUBLICATION(S) DURING YOUR FELLOWSHIP

1. Thang Mai, Loan T.T. Nguyen: An efficient approach for mining closed high utility itemsets and generators. *information and telecommunication*, 1(3), 193-207, 2017.
2. Loan T.T. Nguyen, Ngoc-Thanh Nguyen, Bay Vo, Hung Son Nguyen: Efficient Method for Updating Class Association Rules in Dynamic Datasets with Record Deletion. *Applied Intelligence* (In press).
<https://link.springer.com/article/10.1007/s10489-017-1023-z>
3. Loan T.T. Nguyen, Bay Vo, Hung Son Nguyen, Sinh Hoa Nguyen: Mining Class Association Rules with Synthesis Constraints. *ACIIDS*(1), 556-565, 2017.
4. Linh T.T. Nguyen, Loan T.T. Nguyen, Bay Vo: An Improved Algorithm for Mining Top-k Association Rules. *ICCSAMA*, 117-128, 2017.
5. Thanh-Ngo Nguyen, Loan T.T. Nguyen, Ngoc-Thanh Nguyen: An Improved Algorithm for Mining Frequent Inter-Transaction Patterns. *INISTA*, 296-301, 2017.

6. Loan T.T. Nguyen, Hung Son Nguyen, Sinh Hoa Nguyen: A Dynamic Packed Approach for Analytic Data Warehouse in Ad-hoc Queries, ISAT, 2017.
7. Thanh-Long Nguyen, Bay Vo, Bao Huynh, Vaclav Snasel, Loan T.T. Nguyen: Constraint-Based Method for Mining Colossal Patterns in High Dimensional Databases. ISAT, 2017.

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III – ATTENDED SEMINARS, WORKHOPS, CONFERENCES

1. Attended the seminar at the Lab of hosting every Friday if it's occurred.
2. Presented the seminar at central of Warsaw.
3. Presented the seminar at the Lab of visiting.
4. Attended the Polish language class
5. Attended the conferences such as: SMC: Budapest, Hungary (2016); ACIIDS: Kanazawa, Japan (2017); ICCSAMA: Berlin, Germany (2017); INISTA: Gdynia, Poland (2017); ISAT: Szklarska Poręba, Poland (2017).

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IV – RESEARCH EXCHANGE PROGRAMME (REP)

NTNU

Prof. Kjetil Nørvåg noervaag@idi.ntnu.no

06-17/03/2017