

# Medical Informatics & Telehealth

October 6-7, 2016 | London, UK

## PHOEBE - A FRAMEWORK OF FETAL AGE AND WEIGHT ESTIMATION

**Loc Nguyen<sup>a</sup>** and **Thu-Hang T. Ho<sup>b</sup>**<sup>a</sup>Sunflower Soft Company, Vietnam<sup>b</sup>Vinh Long General Hospital, Vietnam

Fetal age and weight estimation plays the important role in pregnant treatments. There are many estimate formulas created by the combination of statistics and obstetrics. However, such formulas give an optimal estimation if and only if they are applied into specified community or ethnic group with characteristics of such ethnic group. This research proposes a framework that supports scientists to discover and create new formulas more appropriate to the community or region where scientists do their research. The discovery algorithm used in the framework is the core of the architecture of the framework. This algorithm is based on heuristic assumptions, which aims to produce a good estimate formula as fast as possible. Moreover, the framework gives facilities to scientists for exploiting useful information under pregnant statistical data.

### Biography

Loc Nguyen is Director of Sunflower Soft Company, Vietnam from 2011. He holds Postdoctoral degree in Computer Science, certified by INSTICC in 2015. He serves as a reviewer and editor in many international journals and conferences since 2014. He is volunteer of Statistics Without Borders since 2015. He is granted as Mathematician by London Mathematical Society and awarded as Professor by International Journal of Applied Mathematics and Machine Learning from 2016. He has published 37 papers, including 6 ISI papers from 2009. He is the author of 2 scientific books from 2015 and creator of 5 science and technology products from 2004.

ng\_phloc@yahoo.com

### Notes: