

FARIDAH YUNOS

Ph.D. (Universiti Putra Malaysia)

Senior Lecturer (Dr.)
Department of Mathematics
Faculty of Science
Tel: 03 89466868
Fax: 03 89437958
faridahy@upm.edu.my



EXPERTISE

Dr. Faridah Yunos is currently a senior lecturer at the Department of Mathematics and an associate researcher at the Institute for Mathematical Research, UPM. She received her Ph.D from Universiti Putra Malaysia in 2015 with the thesis entitled A pseudo T-adic Non Adjacent Form for Scalar Multiplication on Koblitz Curve. Prior to that, she received her MSc in Science (Number Theory) with the thesis entitled Some Application of Number Theory in Cryptography from same university in year 2001. She is currently supervising three MSc students and co-supervising six Ph.D students. Her current research is sponsored by Putra Grant.

Current Research Interest

- Find the special properties for T-adic Non Adjacent Form (TNAF) in order to improve the performance of scalar multiplication on Anomalous Binary Curves.
 - Reducing the Cost of Pseudo T-adic Non-Adjacent Expansion (pseudoTNAF) for Scalar Multiplication on Koblitz Curves.
 - Using Self-Invertible Matrices to attack Cipher Polygraphic Polyfunction.
 - Find the Effect of Self Repetitive Matrix on Cipher Polygraphic Polyfunction.
 - Some Application of Number Theory in Cryptography
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LINK TO POSTGRADUATE FIELD OF STUDY:

Number Theory, Mathematical Cryptography

ADDITIONAL INFORMATION:

- <http://profile.upm.edu.my/faridahy/profail.html>
- https://www.researchgate.net/profile/Faridah_Yunos2
- <https://scholar.google.com.my/citations?user=WxhHjjAAAAAJ&hl=en>