

# ANAS MELHEM

Department of Computer Engineering, Palestine Technical University-Kadoorie  
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## RESEARCH INTERESTS

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Information Security; lightweight cryptography; homomorphisim; cloud Computing; network performance modeling and simulation; random networks; communication networks; wireless sensor networks.

## EDUCATION

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PhD, Computer Engineering, Eastern Mediterranean University at North Cyprus, 2018

- Dissertation title: *Research and Development of Homomorphic Ciphers for Secure Cloud Computing*
- Advisor: Assoc. Prof. Dr. Alexander Chefranov

MS, Electronics and Computer Engineering, Al-Quds University at Palestine, 2012

- Dissertation title: *Ticket Authentication Wireless Mesh Networks Protocol*
- Advisor: Assoc. Prof. Dr. Rushdi Hamamreh

BS, Electrical Engineering, Palestine Technical University at Palestine, 2005

## APPOINTMENTS

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**02/2018 – present** *Assistant Professor, Dept. of Computer Engineering, Palestine Technical University*

**02/2016 – 02/2018** *Graduate Research Assistant, Eastern Mediterranean University at North Cyprus*

**02/2014 – 01/2016** *Computer Engineer, Computer Center, Eastern Mediterranean University at North Cyprus*

**10/2009 – 10/2013** *Teacher Assistant, Dept. of Computer Engineering, Palestine Technical University*

**10/2005 – 10/2009** *Network Engineer at Global tec Company, Palestine*

## TEACHING EXPERIENCE

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12140312 Computer Networks  
12140552 Design Patterns  
12140101 Computer Programming  
12140549 Mobile Computing  
12140308 Operating Systems  
12140510 Network Programming  
12140535 Data Mining  
12140533 Machine Learning  
12140527 Cryptography and Network Security

## PUBLICATIONS

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### *Journal Papers*

- Anas Ibrahim, Alexander Chefranov, "NTRU Modulo p Flaw", *International Journal for Information Security Research (IJISR)*, vol. 6, no. 3, pp. 685 – 690, Sep. 2016.
- Rushdi Hamamreh, Anas Melhem, "SWMPT: Securing Wireless Mesh Networks Protocol Based on Ticket Authentication", *The Research Bulletin of Jordan ACM*, vol. 2, no. 4, pp. 129 – 133, 2011.
- Rushdi Hamamreh, Anas Melhem, "Securing End-to-End Wireless Mesh Networks Ticket Based Authentication", *GSTF Journal on Computing (JoC)*, vol. 1, no. 2, 2018.

### *Conference Papers*

- Alexander Chefranov, Anas Ibrahim, "NTRU Modulo p Flaw", in *Proc. World Congress on Internet Security, WorldCIS 2016, London, UK, November 14-16, 2016*.
- Rushdi Hamamreh, Anas Melhem, "THWMP: A Ticket-Based Secure Hybrid Wireless Mesh Networks Protocol", in *Proc. 2011 Conference on Innovations in Computing and Engineering Machinery, CICEM2011, Amman, Jordan, September 5-7, 2011*.
- Rushdi Hamamreh, Anas Melhem, "Secure Mobile Clients Using Elliptic Curve for WMN". in *Proc. The 13th International Arab Conference on Information Technology, ACIT 2012, Zarqa, Jordan, December 10-13, 2012*.

## REFERENCES

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