

1. **Name:** Tatcha Chulajata

2. **Education – degree, discipline, institution, year:**

Ph.D.	Electrical Engineering	Wichita State University USA	2003
MS.	Electrical Engineering	Wichita State University USA	1996
BS.	Electrical Engineering	Kasetsart University Thailand	1992

3. **Academic experience:**

Mahidol University, Thailand

Assistant Professor of Electrical Engineering 2017 – Present (Full-time)

Lecture of Electrical Engineering 2004 – 2017 (Full-time)

Wichita State University, USA

Research assistant 1996 – 2001 (Part-time)

4. **Non-academic experience:**

Industrial

- Neoreach, Inc., Maryland, USA, Senior Member of Technical Staff, 2000 – 2002 (Full-time)

- JRC Consultant, Thailand, Consultant Engineer, 1992 – 1994 (Full-time)

5. **Service activities (Selected):**

- Crisis Management Exercise (C-MEX) evaluation project, Office of the National Security Council, Thailand, 2017 – 2019

- Development of Traceability System, Ministry of Health, Thailand, 2018 – 2019

## 6. Publications:

- P. Sedtheetorn and T. Chulajata, "Accurate Spectral Efficiency Analysis for Non Orthogonal Multiple Access," in ICACT Transactions on Advanced Communications Technology (TACT), Vol. 5, Issue 3, May 2016, pp. 844-850.
- P. Sedtheetorn and T. Chulajata, "Uplink spectral efficiency for non-orthogonal multiple access in rayleigh fading," in The 18th International Conference on Advanced Communications Technology ( ICACT2016 ), PyeongChang, South Korea, Vol. 1, Jan 31 - Feb 3, 2016, pp. 751-754.
- P. Sedtheetorn and T. Chulajata, "Spectral efficiency evaluation for non-orthogonal multiple access in rayleigh fading," in The 18th International Conference on Advanced Communications Technology ( ICACT2016 ), PyeongChang, South Korea, Vol. 1, Jan 31 - Feb 3, 2016, pp. 747-750.
- T. Chulajata and P. Sedtheetorn, "Theoretical analysis on spectral efficiency of non orthogonal multiple access in nakagami fading," in 5th IEEE International Conference On Control System, Computing and Engineering, Penang, Malaysia, Vol. 1, November 27-29, 2015, pp. 158-161.
- J. Hansawangkit, T. Chulajata, and P. Sedtheetorn, "A new rate optimization technique for femtocell networks," in The 12th International Conference on Electrical Engineering/Electronics, Computer, Telecommunications and Information Technology (ECTI-CON), Hua Hin, Thailand, Vol. 1, June 24-27, 2015, pp. 1-4.
- T. Chulajata and T. Pritranan, "Area prediction for digital two-way radio communications using irregular terrain model (ITM) in a suburban area," in The 29th International Technical Conference on Circuits/Systems, Computers and Communications, Phuket, Thailand, July 1-4, 2014, Vol. 1, pp. 158-160.