

## **Personal Data**

Name Ming Hsiang Tu, RN, PhD  
Current Position Assistant Professor  
Working Address 365, Mingde Rd., Beitou District, Taipei City 11219  
Phone (Office) 886-2-2822-7101 Ext. 3186  
E-mail Address minghsiang@ntunhs.edu.tw

## **Education**

Duration	Institution & Location	Degree	Major Subject
2009-2018	National Yang-Ming University Institute of Biomedical Taipei, Taiwan	PhD	Biomedical Informatics
2004-2007	National Taipei University of Nursing and Health Sciences College of Nursing Taipei, Taiwan	BSN	Nursing
1988-1990	MeiHo Junior College of Nursing Pingtung, Taiwan	Associate Degree	Nursing
1984-1987	Kang-Ning Nursing School Taipei, Taiwan		Nursing

## **Work experience**

Date of Employment	Department	Position
2018/03-2018/06	Aging and Health Research Center National Yang-Ming University	Project Manager
2013/06-2016/09	En Chu Kong Nursing Home En Chu Kong Nursing Home Provisional office	Nursing Supervisor Nursing Supervisor
2009/03-2010/09	En Chu Kong Hospital Administration Center	Executive Secretary
1996/04-2006/08	En Chu Kong Hospital Community Nursing Room	Head Nurse
1990/09-1995/06	National Taiwan University Hospital Cardiac surgery intensive care unit	Nurse

### **Other Position Held Concurrently**

- 2017 Taiwan Association of Integrated Care, Preparatory Committee
- 2012-2015 Taiwan Nursing Informatics Association (Nursing Informatics 2014),  
Preparatory Committee
- 2015-2018 Taiwan Nursing Informatics Association, Supervisors
- 2009-2015 Taiwan Nursing Informatics Association, Director
- 2006-2007 Department of Social Welfare, Taipei City Government, Evaluation  
Committee
- 2004 New Taipei City Nurse's Association, Excellent Paramedics
- 2002-2005 Taiwan Long-Term Care Professional Association, Evaluation Committee

### **Specialties & Research Interests**

1. Nursing Informatics
2. Mobile Health
3. Long Term Care
4. Community Care
5. Nursing Administration

### **Publications**

#### **Journals**

1. Chen HY, \***Tu MH**, Chen MY. *Effectiveness of a Mobile Health Application for Educating Outpatients about Bowel Preparation*. Healthcare (Basel). 2024 Jul 10;12(14):1374. doi: 10.3390/healthcare12141374. (SCI) (corresponding Author)
2. Shu-Chen Chang, Shu-Yu Chen, Ting-Yu Yao, Mei-Ling Wang, **Ming-Hsiang Tu**, Shih-Yu Lee (2022, Jun). *Exploring the influencing factors of sleep disturbance and work well-being among shift-work nurses in Taiwan*. Sleep, Volume 45, Issue Supplement\_1, June 2022, Page A62.
3. \***Tu MH**, Chang P, YL Lee. *Avoiding Obsolescence in Mobile Health: Experiences in Designing a Mobile Support System for Complicated Documentation at Long-Term Care Facilities*. CIN: Computers, Informatics, Nursing. 2018 Oct; 36(10): 501-506. doi: 10.1097/CIN.0000000000000460. (SCI)
4. Lee Y-L, Cui Y-Y, \***Tu MH**, Chen Y-C, Chang P. *Mobile health applications in continuity of patient-centered care of chronic kidney disease: a content analysis*. JMIR mHealth and uHealth. 2018 Apr 20; 6(4): e10173. doi: 10.2196/10173. (SCI)
5. Cui YY, Gong DW, Yang Bo, Chen Hua, \***Tu MH**, Zhang CN, LI Huan, Liang NW, Jiang LI, Chang P. *Making the CARE Comprehensive Geriatric Assessment*

- as the Core of a Total Mobile Long-Term Care Support System in China. Stud Health Technol Inform. 2018; 247:770-774.*
6. Huang F, Chang P, Hou IC, \***Tu MH**, Lan CF. *Use of a mobile device by nursing home residents for long-term care comprehensive geriatric self-assessment: a feasibility study. Comput Inform Nurs. 2015 Jan; 33(1):28-36. (SCI)*
  7. Liu CW, Hou IC, \***Tu MH**, Chang P. *An empirical study of end-user computing strategy in promoting the nursing informatics in Taiwan. Stud Health Technol Inform. 2009; 146:641-5. (SCI)*
  8. Chang P, Hsu CL, Hou IC, \***Tu MH**, Liu CW. *The end user computing strategy of using Excel VBA in promoting nursing informatics in Taiwan. Perspectives in Nursing Science. The Research Institute of Nursing Science, Seoul National University, South Korea. 2008; 5(1):45-58.*
  9. 張翠容, \***涂明香**, 張博論(2010) 護理人員自建護理紀錄系統之初探:以 Kardex 為例. *源遠護理*,4(1),22~32.

#### **Conference Oral Papers/Posters**

1. \***Tu MH**, SY Lee. (2024, July). *Effectiveness of gamification intervention Platform on the work stress of shift-work nurses in the post-pandemic era. The International Congress on Nursing Informatics (NI2024), Manchester, UK. (Poster)*
2. Tsai HC, Kuo MC., \***Tu MH**. (2024, July). *Development Plan for the Clinical Application of Maternity and Child Health Mobile App. The International Congress on Nursing Informatics (NI2024), Manchester, UK. (Poster)*
3. Liang HC, Chang HL, Kuo HY, \***Tu MH**. (2024, July). *Applying Microsoft Power Platform to Improve Healthcare Worker Health Monitoring Processes. The International Congress on Nursing Informatics (NI2024), Manchester, UK. (Poster)*
4. Chen SY, \***Tu MH**. (2024, July). *Use Mobile Apps to Link to Google Forms to Conduct Online Surveys. The International Congress on Nursing Informatics (NI2024), Manchester, UK. (Poster)*
5. Chen HL, \***Tu MH**. (2024, July). *The Effectiveness of Development mHealth Apps on the Self-Care Ability of Patients with Ostomy. The International Congress on Nursing Informatics (NI2024), Manchester, UK. (Poster)*
6. Chen H.Y., \***Tu M.H.** *Development of an Easy-Availability Design for Bowel Preparation with Colonoscopy in Taiwan. 25TH East Asian Forum of Nursing Scholars Conference (EAFONS). Taipei, Taiwan. (Poster)*
7. Liang HC, Huang ML, Lee FS, \***Tu MH**. (2021, August). *Use of RFID technology in tourniquet for alarming and improvement of patient safety. The 15th*

- International Congress on Nursing Informatics (NI2021), Brisbane, Australia. (Poster)
8. Chen CH, Chen CJ, \*Tu MH. (2021, August). *Use of technology to improve the falls of orthostatic hypotension in inpatients*. The 15th International Congress on Nursing Informatics (NI2021), Brisbane, Australia. (Poster)
  9. \*Tu MH, Tu YH, Lee HJ, Chang,P. (2021, August). *A Concept of Mobile Service for the Young Onset Dementia*. The International Congress on Nursing Informatics (NI2021), Brisbane, Australia. (Poster)
  10. \*Tu MH, Chen, L.K., Tsay, S.F., Lan, C.F., Lee, C.H., Chang,P. (2012, June). *Extend the MDS-HC 2.0 to Include Extra Assessment Tools for Local Success*. The 12th International Congress on Nursing Informatics (NI2014), Taipei, Taiwan. (Poster)
  11. \*涂明香, 張博論. 發展有效率之長期照護評估系統-運用PDA.2013年兩岸三地護理資訊學術論文發表會, Taipei, Taiwan/ROC, 2013. (Poster)
  12. Chang, P., \*Tu MH, Lan, C.F. (2012, November). *Hype Cycle and Technology Acceptance*. Poster session presented at the American Medical Informatics Association 2012 Symposium (AMIA 2012), Chicago, IL, USA. (Poster)
  13. \*Tu MH, Hsu, C.L., Chu, C.S., Lu, C.C., Lan, C.F., Chang, P. (2012, June). *How complex documentation with PDA could be?* Paper session presented at the 11th International Congress on Nursing Informatics (NI 2012), Montreal, Canada. (Oral)
  14. \*Tu MH, Chang P. *How More Complex Documentation with PDA Could Be?* American Medical Informatics Association 2010 Symposium, Washington, DC, USA, 2010. (Poster)
  15. Liu CW, Hou IC, \*Tu MH, Chang P. *An empirical study of end-user computing strategy in promoting the nursing informatics in Taiwan*. The 10th International Congress on Nursing Informatics (NI2009), Helsinki, Finland, 2009. (Oral)
  16. \*Tu MH, Chang P. *Developing a cost-effective home care management support system for small nursing homes in Taiwan*. The 10th International Congress on Nursing Informatics (NI2009), Helsinki, Finland, 2009. (Poster)
  17. \*Tu MH, Chang P. *Development an easy availability design scoring table with health website rating system*. 2008 Nursing Informatics Symposium in Taiwan, Taipei, Taiwan/ROC, 2008. (Oral)

#### 專書

1. \*涂明香(民 109)。護理資訊於病人安全之應用。載於李亭亭、劉建財等(民

- 109) 護理資訊(第七章,p187-214)。台北市:華杏出版股份有限公司。
2. \*涂明香、張博論、王懿範(民 106)。長期照顧資訊化的設計與整合發展考量。載於王懿範、邱文達等(民 106) 醫療與長照整合-打造全人照顧體系(第九章,p177-197)。台北市:五南圖書出版股份有限公司。