

Po-Yin Yen, PhD, RN

Research Assistant Professor
Department of Biomedical Informatics
The Ohio State University

333 W. 10th Avenue, Columbus, OH 43210
(614) 366-2298 / Po-Yin.Yen@osumc.edu

ACADEMIC TRAINING

1997- 2001	Department of Nursing, College of Medicine, National Cheng Kung University, Tainan, Taiwan	BS	Nursing
2002- 2005	Department of Biomedical Informatics & Clinical Epidemiology, Oregon Health & Science University, Portland, Oregon, US	MS	Medical Informatics
2006- 2010	School of Nursing, Columbia University, New York, New York, US	PhD	Nursing, Nursing Informatics as specialty

LICENCES, CERTIFICATIONS

2002- now	Advanced registered nurse in Taiwan
2009- now	Registered Nurse, Ohio State

PROFESSIONAL ORGANIZATIONS AND SOCIETIES

2003- now	American Medical Informatics Association Nursing Informatics Working Group (NI-WG)
2003- now	American Medical Informatics Association
2010- now	Healthcare Information and Management System Society

TEACHING

Spring	2011	Health Care Information Systems. The Ohio State University	Guest Speaker
Spring	2011	Introduction of Biomedical Informatics. The Ohio State University	Guest Speaker
Spring	2009- 2010	N9412 Informatics for Practice Lecture: Usability principles for design and evaluation School of Nursing, Columbia University	Guest Speaker
Spring	2007-	N5710 Evidenced based practice/decision support	Teaching Assistant

	2009	School of Nursing, Columbia University	
Winter	2005	BMI560 Design and Evaluation in Health Informatics Department of Biomedical Informatics & Clinical Epidemiology, Oregon Health & Sciences University	Teaching Assistant

EXPERIENCE

10/2010 - now	Department of Biomedical Informatics, College of Medicine, OHIO STATE UNIVERSITY Columbus, OH, USA	Research Assistant Professor
10/2010 - now	College of Nursing, OHIO STATE UNIVERSITY Columbus, OH, USA	Adjunct Assistant Professor
6/2010- 8/2010	Center for Evidence-Based Practice in the Underserved, School of Nursing, COLUMBIA UNIVERSITY, New York, New York, USA	Research Associate
9/2006- 5/2010	Center for Evidence-Based Practice in the Underserved, School of Nursing, COLUMBIA UNIVERSITY, New York, New York, USA	Graduate Research Assistant
2/2006- 7/2006	Drug Effectiveness Review Project, Evidence-based Practice Center, Department of Biomedical Informatics & Clinical Epidemiology, OREGON HEALTH & SCIENCES UNIVERSITY Portland, Oregon, USA	Research Associate
2/2005- 2/2006	Drug Effectiveness Review Project, Evidence-based Practice Center, Department of Biomedical Informatics & Clinical Epidemiology, OREGON HEALTH & SCIENCES UNIVERSITY Portland, Oregon, USA	Research Assistant 2
3/2005- 6/2005	Department of Biomedical Informatics & Clinical Epidemiology, OREGON HEALTH & SCIENCES UNIVERSITY Portland, Oregon, USA	Graduate Research Assistant
5/2004- 12/2004	Department of Biomedical Informatics & Clinical Epidemiology, OREGON HEALTH & SCIENCES UNIVERSITY Portland, Oregon, USA	Graduate Research Assistant
11/2002 -2/2005	Department of Biomedical Informatics & Clinical Epidemiology & Department of Neurology, OREGON HEALTH & SCIENCES UNIVERSITY	Student Assistant

	Portland, Oregon, USA	
1/2004- 4/2004	Children Development and Rehabilitation Center OREGON HEALTH & SCIENCES UNIVERSITY Portland, Oregon, USA	Intern
7/2001- 8/2002	Institute of Health Care Organization Administration, College of Public Health, NATIONAL TAIWAN UNIVERSITY, Taipei, Taiwan	Quality Control Circle Project Counselor
11/1998 -7/2000	Department of Dentistry, NATIONAL CHENG KUNG UNIVERSITY HOSPITAL, Tainan, Taiwan	Research Assistant

RESEARCH INTERESTS

- Usability evaluation
- Technology acceptance and adoption
- Human-computer interaction and cognitive science
- Article network analysis
- Factor analysis and structural equation modeling
- Workflow analysis

MANUSCRIPTS SUBMITTED OR IN PREPARATION (**Graduate student; *Postdoctoral Fellow)

Zavinski I, Chipps E, **Yen P. Exploring nurses' confirmed expectations regarding health IT: a phenomenological study. International Journal of Medical Informatics. (Under review)

Ji X, Xiang Y, Fuhry D, Huang K, McDonagh M, **Yen P. ArticleNet: an online article recommendation system to assist systematic review. Journal of Medical Internet Research (Under review)

Yen P, *Lopetigui M, Xiang Y. Evaluation of authorship similarity in systematic review reports - using drug effectiveness reviews as an example. BMC Medical Informatics & Decision Making (In preparation)

Lopetigui M, **Yen P**, Lai A, Jeffries J, Embi P, Payne P. Methodologies of continuous observation time motion studies assessing clinical workflow. Journal of Biomedical Informatics (In preparation)

Gossett J, **Yen P. Nurses' experience of communication during a large scale electronic health record implementation. Applied Clinical Informatics (In preparation)

Zavinski I, Chipps E, **Yen P. Nurses' adoption of a large scale electronic health record: a qualitative longitudinal study. International Journal of Medical Informatics. (In preparation)

Yen P, Sousa K, Bakken S. Confirmatory Analysis of the Health Information Technology Usability Evaluation Scale. Journal of American Medical Informatics Association. (In preparation)

Yen P, Bakken S. Understanding confirmed expectation and its application in a stratified view of usability evaluation. Journal of American Medical Informatics Association (In preparation)

ORIGINAL, PEER-REVIEWED JOURNAL ARTICLES

Yen P, Bakken S. "Review of Health Information Technology Usability Study Methodologies." Journal of American Medical Informatics Association. 2012; 19:413-422

Yen P, Bakken S. Comparison of Two User Interfaces for Accessing Context-Specific Information Resources Related to Hazards and Near Misses. Computers, Informatics, Nurses. 2009; 27(2): 99-104.

Kraemer D, **Yen P**, Nichols M. An economic comparison of female sterilization of hysteroscopic tubal occlusion with laparoscopic bilateral tubal ligation. Contraception. 2009;80:254-60

Cohen AM, Hersh WR, Peterson K, and **Yen P**. Reducing Workload in Systematic Review Preparation Using Automated Citation Classification. Journal of American Medical Informatics Association. 2006;13(2): 206-19

ORIGINAL, PEER-REVIEWED PROCEEDINGS PAPERS (Graduate student; *Postdoctoral Fellow)**

Lopetigui M, **Yen P, Lai A, Embi P, Payne P. Proceedings of the American Medical Informatics Association 2012 (Accepted)

Yen P, Wantland D, Bakken S. Development of a Customizable Health Information Technology Usability Evaluation Scale. Proceedings of the American Medical Informatics Association 2010. (AMIA Harriet H. Werley Award Nominee)

Yen P, Bakken S. A Comparison of Usability Evaluation Methods: Heuristic Evaluation versus End-User Think-Aloud Protocol – An Example from a Web-based Communication Tool for Nurse Scheduling. Proceedings of the American Medical Informatics Association 2009. (AMIA Nursing Informatics Working Group Award Nominee)

Yen P, Bakken S. Usability Testing of a Web-based Tool for Managing Open Shifts on Nursing Units. June 28-July 1, 2009. The 10th International Congress on Nursing Informatics. Helsinki, Finland.

Yoon S, **Yen P**, Bakken S. Psychometric Properties of the Self-Assessment of Nursing Informatics Competencies Scale. June 28-July 1, 2009. The 10th International Congress on Nursing Informatics. Helsinki, Finland.

Yen P, Gorman PN. Usability testing of a digital pen and paper system in nursing documentation. AMIA Annual Symposium Proceedings/AMIA Symposium. 2005.

ORIGINAL, PEER-REVIEWED PROCEEDINGS ABSTRACT

Yen P, *Xiang Y, Huang K, MaDonagh M, Merrill J. A Proposal of An an Article Network Analysis Approach to Reduce Systematic Review Workload. 11th International Congress on Nursing Informatics 2012.

R. Lucero; B. Sheehan; D. Nobile-Hernandez; **P. Yen**; O. Velez; S. Bakken. The Development of a Computer-based Fall Prevention Intervention in a Predominately Latino Population. Proceedings of the American Medical Informatics Association 2011.

R. Schnall; D. Wantland; O. Velez; **P. Yen**; K. Cato; S. Bakken. Integrating Avatars into a Symptom Management System for PLWH. Proceedings of the American Medical Informatics Association 2011.

R. Lucero, B. Sheehan, **P. Yen**, O. Velez, S. Bakken. The development of a computer-based fall risk prevention intervention for community dwelling Spanish- and English-speaking elders. National Association of Hispanic Nurse's annual conference 2011.

Matsoukas K, Hyun S, Currie M, Joyce M, Oliver J, Patel S, Velez O, **Yen P**, Bakken S. Expanding DISCERN to create a tool for assessing the quality of web-based health information resources. Proceedings of the American Medical Informatics Association 2008.

Yen P, Bakken S. Heuristic evaluation of a communication tool for nurse scheduling. Proceedings of the American Medical Informatics Association 2008.

Bakken S, **Yen P**, Weng C. Informatics tools for meeting information and communication needs related to interdisciplinary research competency development. Proceedings of the American Medical Informatics Association 2008.

Yen P, Bakken S. Information Needs Associated with Hazard and Near Miss Reporting. Medinfo, 2007

ORIGINAL, PEER-REVIEWED PROCEEDINGS PANEL

Schnall R, Bakken S, Hyun S, **Yen P**. Using Technology Acceptance Models to Inform the Design and Evaluation of Nursing Informatics Innovations. June 28-July 1, 2009. Nursing Informatics 2009 Congress. Helsinki, Finland.

OTHER

Wantland D, Schnall R, Velez O, Gorden P, **Yen P**, Bakken S. A Video Podcasted Symptom Self-Management Tool for People Living with HIV/AIDS. Proceedings of the American Medical Informatics Association 2010. (Theater-Style Demonstration)

Norris SL, **Yen P**, Dana TL, Care BR, Burda BU. Drug Class Review on Beta2-Agonists: Final Report. Evidence-based Practice Center, Department of Biomedical Informatics & Clinical Epidemiology, Oregon Health & Science University. 2006

Carson S, **Yen P**. Drug Class Review on Newer Sedative Hypnotics, Final Report. Evidence-based Practice Center, Department of Biomedical Informatics & Clinical Epidemiology, Oregon Health & Science University. 2005.

Yen P, Gorman PN, O'Meara K, Lowensohn R. Usability testing of digital pen and paper system in nursing documentation. (Master Thesis) Portland, OR: Oregon Health & Science University; 2004.

Yen P, Bakken S, Sousa K, Kaufman D, Haomiao J, Stone P. Health Information Technology Usability Evaluation: Methods, Models and Measures. (PhD Dissertation) New York, NY: Columbia University; 2010.

GRANTS & RESEARCH CONSUTING

Center for Clinical and Translational Science The Ohio State University	Philip Payne (PI) Role: Co-Investigator	10/2010 - present
Impact Grant - Online Histology Education The Ohio State University	Lisa Lee (PI) Role: Co-Investigator	01/2011 - 12/2011
Self-Assessment via a Personal Health Record (SAPHeR) Columbia University	Robert Lucero (PI) Role: Consultant	10/2010 – 12/2011
Video Provider (ViP) for People Living with HIV Columbia University	Rebecca Schnall (PI) Role: Consultant	10/2010 – 12/2011
Center for Evidence-based Practice in the Underserved (NINR P30NR010677) Columbia University	Suzanne Bakken (PI) Role: Graduate Research Assistant	09/2006 - 09/2010

SERVICE – PROFESSIONAL

Grant Reviews

- Small Business Innovation Research (SBIR), National Institutes of Health

Ad Hoc Reviews

- American Medical Informatics Association
- Pacing and Clinical Electrophysiology
- Applied Clinical Informatics
- Japan Journal of Nursing Science
- Medical Informatics Europe
- Medinfo