

**Mamoun Nawahdah (مأمون نواهضة), Ph.D., Eng.**  
Email: [nawahdah@gmail.com](mailto:nawahdah@gmail.com) / [mnawahdah@birzeit.edu](mailto:mnawahdah@birzeit.edu)  
Tel: +970 – 2 2982916  
Fax: +970 – 2 2982125





## My Mission

“With my knowledge and experience in information and communications technology (ICT) domain, I would like to make a true change in the higher education system in my country by implementing innovative teaching/learning techniques and technology and promote ethics.”

## Skills

- 
- Deep understanding of computer software and hardware.
  - Ability to multitask and work within tight deadlines.
  - Keen to learn more.
  - A detail-oriented, problem-solving attitude.
  - Extensive knowledge of computer programming languages.

## Research Interests

- 
-  Serious Game Development.
  -  Human-Computer Interaction (HCI).
  -  Teaching/Learning Methodologies.
  -  Augmented-Reality.

## Work Experience

- 
- ➔ **Aug 2016 ~ now: Birzeit University, College of Engineering and Technology, Computer Science Department, Birzeit–Palestine**  
*Chairperson*
  - ➔ **Aug 2013 ~ now: Birzeit University, College of Engineering and Technology, Computer Science Department, Birzeit–Palestine**  
*Assistance Professor*
  - ➔ **Mar 2011 ~ Feb 2013: University of Tsukuba, Japan**  
*Research Assistant / Teacher Assistant*
  - ➔ **May 2007 ~ Apr 2009: United Nations UN, Development Programme/FAO, Jerusalem–Palestine**  
*IT Consultant*
  - ➔ **Feb 2006 ~ Aug 2008: Birzeit University, Computer Systems Engineering Department, Information Technology Faculty, Birzeit–Palestine**  
*Full-time Instructor*
  - ➔ **Jun 2004 ~ Sep 2006: National Institute for Information Technology NIIT, Ramallah–Palestine**  
*Part-time IT Trainer*
  - ➔ **Oct 2003 ~ Dec 2005: Global Software Services Inc., Ramallah–Palestine**  
*Senior Software Engineer and Customer Support Team Leader*
  - ➔ **Oct 2003 ~ Nov 2004: MDO Inc., San Mateo, CA–USA**  
*Software Engineer Consultant*
  - ➔ **May 2001 ~ Aug 2003: IDS Software Systems Inc., Foster City CA–USA**  
*Software Engineer*
  - ➔ **Feb 1999 ~ May 2001: Global Software Services Inc., Ramallah–Palestine**  
*Software Engineer*



## Education & Qualifications

- **2009 ~ 2013 University of Tsukuba, Tsukuba–Japan:** [Japanese Government Scholarship]  
(*Ph.D. in Information Science – Graduate School for Library, Information and Media Studies*)  
Main research subjects included:
  - Human computer interaction (HCI).
  - Behavior analysis.
  - High-presence videoconferencing.
  - Mixed reality.
  
- **2003 ~ 2005 Birzeit University, Birzeit–Palestine:**  
(*M.S. in Scientific Computing*)  
Main subjects included:
  - Mathematical modeling and simulation.
  - High performance computing & parallel processing.
  - Distributed systems.
  - Information theory.
  
- **1993 ~ 1998 Palestine Polytechnic University, Hebron–Palestine:**  
(*Bachelor of Computer Systems Engineering*)  
Main subjects included:
  - Software development.
  - Math: statistics, linear algebra & differential equations, logic, and numerical analyses.
  - Hardware design: Control design, electronics, and microprocessors design.
  
- **1990 ~ 1993 Abdullah Ibn Al-Husain High School, Jerusalem–Palestine.**
- **2008 W3Schools Certified HTML Developer.**
- **2002 Sun Certified Programmer for the Java 2 Platform.**



## Academic Publications

- Nawahdah, Mamoun; Taji, Dima; Inoue, Tomoo, "*Collaboration leads to success: A study of the effects of using pair-programming teaching technique on student performance in a Middle Eastern society*," in Teaching, Assessment, and Learning for Engineering (TALE), 2015 IEEE International Conference on , vol., no., pp.16-22, 10-12 Dec. 2015.
- Nawahdah, Mamoun; Taji, Dima, "*Work in progress: Investigating the effects of pair-programming on students' behavior in an advanced computer programming course*," in Teaching, Assessment, and Learning for Engineering (TALE), 2015 IEEE International Conference on , vol., no., pp.157-160, 10-12 Dec. 2015.
- Tomoo Inoue, Mamoun Nawahdah, Yasuhito Noguchi, *User's Communication Behavior in a Pseudo Same-room Videoconferencing System BHS*, International Journal of Informatics Society, Vol.6, No.2, pp. 39-47, November 2014.
- Dima Taji and Mamoun Nawahdah, *Enhancing Computer Learning Activities Using Pair-Programming Techniques*, The first national conference on teaching and learning: Toward creative initiatives on teaching and learning in higher education, pp. 17, December 2014.
- اسماعيل نواهضة و مأمون نواهضة، ضوابط استخدام وسائل الاتصال الحديثة، المؤتمر السنوي الدولي الرابع لكلية الشريعة - وسائل التواصل الاجتماعية الحديثة وأثرها على المجتمع، 2014/4/24.
- Mamoun Nawahdah and Tomoo Inoue, *Asynchronous video-mediated co-dining communication in synchronized dining progress*, IEICE Human Communication Group Symposium (HCG2013), pp. 382-387, Tokyo, Japan, December 20, 2013.
- Mamoun Nawahdah and Tomoo Inoue, *User's communication behavior in the pseudo same-room videoconferencing system*, Proceedings of the 7<sup>th</sup> International Workshop on Informatics (IWIN 2013), pp. 115-122, Stockholm, Sweden, September 1-4, 2013. (**IWIN2013 Best Paper Award**).
- Mamoun Nawahdah and Tomoo Inoue. *Influence on user's communication in BHS videoconferencing: superimposition of a remote person's figure on the local background*. In *CHI '13 Extended Abstracts on Human Factors in Computing Systems (CHI EA '13)*, pp. 991-996. 2013.
- Mamoun Nawahdah and Tomoo Inoue. 2013. *Virtually dining together in time-shifted environment: KIZUNA design*. In *Proceedings of the 2013 conference on Computer supported cooperative work (CSCW '13)*, pp. 779-788, February 23–27, 2013.
- Mamoun Nawahdah and Tomoo Inoue. *Setting the best view of a virtual teacher in a mixed reality physical-task learning support system*, Journal of Systems and Software, Volume 86, Issue 7, pp. 1738-1750, July 2013, ISSN 0164-1212, 10.1016/j.jss.2012.08.060.

- Tomoo Inoue and Mamoun Nawahdah. *A video communication system achieving pseudo same-room communication with a remote user: Being Here System*, IEICE Tech. Rep., Vol. 112, No. 221, MVE2012-39, pp. 71-76, Sep 2012.
- Mamoun Nawahdah and Tomoo Inoue: *Development of KIZUNA System to Support Time-Shifted Co-Dining*, In Proceedings of the 6<sup>th</sup> International Conference on Collaboration Technologies, CollabTech'12, pp. 36-41, Aug 2012.
- Yuichiro Otsuka, Mamoun Nawahdah, and Tomoo Inoue: *Development of KIZUNA system capable of time-shifted co-dining communication*, IEICE Tech. Rep., Vol. 112, No. 75, DE2012-15, pp. 85-90, Jun 2012.
- Mamoun Nawahdah, Tomoo Inoue: *Being Here: Enhancing the Presence of a Remote Person through Real-Time Display Integration of the Remote Figure and the Local Background*, Journal of the Virtual Reality Society Japan, Vol. 17, No. 2, pp. 101-109, 30 June 2012.
- Mamoun Nawahdah and Tomoo Inoue: *Building a High Realistic Media Space by Superimposing a Remote Person's Figure on the Local View*, IEEE 16th International Conference on Computer Supported Cooperative Work in Design, CSCWD'12, pp. 416- 422, May 2012.
- Mamoun Nawahdah: *Building a high presence video conferencing*, コミュニケーションの分析と応用研究会, 2012.
- Mamoun Nawahdah and Tomoo Inoue: *Motion adaptive orientation adjustment of a virtual teacher to support physical task learning*, Journal of Information Processing, Vol. 53, No. 1, pp. 277-286, 2012.
- Mamoun Nawahdah and Tomoo Inoue: *Helping physical task learning by automatic adjustment of a virtual teacher's rotation angle*, 15th International Conference on Computer Supported Cooperative Work in Design (CSCWD), pp. 710-715, 8-10 June 2011
- Mamoun Nawahdah and Tomoo Inoue. 2011. *Positioning a virtual teacher in an MR physical task learning support system*. In *Proceedings of the 2011 ACM Symposium on Applied Computing (SAC '11)*, pp. 1169-1174.
- Mamoun Nawahdah and Tomoo Inoue. *Automatic adjustment of a virtual teacher's model in a learning support system*. In *Proceedings of the ACM 2011 conference on Computer supported cooperative work (CSCW '11)*, pp. 693-696. 2011.
- Mamoun Nawahdah: *Automatic adjustment of a virtual avatar's viewing angle for effective nonverbal communication*, コミュニケーションの分析と応用研究会, 2011.
- Daoud Zafari, Radwan Tahboub, Mamoun Nawahdah, and Tagreed Aljabari: *Design and implementation of a telemedicine system in Palestine*. Journal of telemedicine and telecare, Vol. 5, No. 1, pp. 39-41, 1999.

## Member of

- Palestinian Academic Council.
- ACM - Association for Computing Machinery.
- Jordan Engineers Association.
- Engineering Association – Jerusalem.
- EEACIT Organizing Committee: International Editorial Board.
- The International Conference on Collaboration Technologies (CollabTech): Program Committee Member.
- The International Student Project Conference (ICT): Technical Program Committee Member.
- Ammons Scientific: Consulting Readers

## References

• Prof. Sugimoto Shigeo	University of Tsukuba	<a href="mailto:sugimoto@slis.tsukuba.ac.jp">sugimoto@slis.tsukuba.ac.jp</a>	Japan
• Prof. Tomoo Inoue	University of Tsukuba	<a href="mailto:inoue@slis.tsukuba.ac.jp">inoue@slis.tsukuba.ac.jp</a>	Japan
• Dr. Yousef Hassouneh	Birzeit University	<a href="mailto:yhassouneh@birzeit.edu">yhassouneh@birzeit.edu</a>	Palestine