

Curriculum Vitae

Name : Dong Hwa Kim(金東和), Ph.D.

- **Current work:** Professor. Dept. of Instrumentation and Control Engineering Hanbat National University
- **Work Place :** Dept. of Instrumentation and Control Engineering, Hanbat National University, 16-1 Duckmyong dong Yuseong gu Daejeon, South Korea 305-719.
- **Home address :** 103-304 Hanwool Apt. Sinsung dong Yuseong gu Daejeon South Korea, 305-345.
- **Contact:**
 - Office Phone: 82-42-821-1170
 - Cell phone: 82-10-8958-1175, 82-10-4899-1170
 - Fax: 82-42-821-1164
 - Department Office: 82-42-821-1165
 - Homepage: <http://hucare.org>
 - E-mail: koreahucare@gmail.com, kimdh@hanbat.ac.kr, worldhucare@yahoo.com



● Education

- Ph.D: Dept. of Electronic Engineering, Ajou University in Korea
- Ph.D: Dept. of Computational Intelligence and Systems Science, TIT (Tokyo Institute of Technology, K. Hirota Lab.), Tokyo, Japan. (Thesis Title: Genetic Algorithm Combined with Particle Swarm Optimization/Bacterial Foraging and Its Application to PID Controller Tuning)
- Advanced Program for International Conference (Fall Semester, 2006), Hallym Institute of Advanced International Studies
- Ph.D course, Graduate School International, Korea University, Sept. 2007-

● Work Experience

- Prof., Dept. of Instrumentation and Control Eng., Hanbat National University, March 2, 1993-Now
- EU-FP NCP (ICT) in Korea, April 29,2011-
- Korea-Hungary Joint Work : Aug.1,2010-Feb.28,2011, Participation in the research of Robot motion related topics of the ETOCOM project(TAMOP4.2.2-08/1/KMR-2008-2007) including consultation with research staff members and giving related lectures)
- President, Daedeok Korea-India Forum, March 1, 2010 – Now.
- Vice President, Daedeok Korea-Japan Forum, March 1, 2010 – Now.
- President of Hu-CARE (Human-Centered Advanced Technology Research/Education 2009.
- President of Science Culture Research Institute, Korea Science Foundation, Sept. 8, 2006 - Jan. 31, 2008.
- Vice-president of the recognition board of the world congress of arts, sciences and communications, IBC, Sept. 1, 2007, UK.

- Marquis Who's Who selected great minds in 21 Century, Aug. 2007/2008/2009.
- ABI 200 International Scientist, Publishing in 2008.
- Great minds of 21 Century to dedication in IBC, 2008.
- UNESCO-APEC Asia Region Forum Held, Nov. 21, 2007.
- Korean Science Forum Held, Oct. 22, 2007.
- Science and Technology forum of the deputy Prime Minister of Korean Science and Technology, Operation, Aug. 1, 2006 – Nov. 30, 2007. (8 -round)

● **Committee**

- ANNIE04 conference (Nov. 7-10, 2004), Nov. 10, 2003- Nov. 10, 2004. St. Louise, MO, USA.
- ISCIA2004 conference, Dec. 20, 2003-Dec. 20-22, 2004, Haikou, China
- AFSS2004 conference, Dec. 19, 2003-Dec. 18-19, 2004, Hue city, Vietnam.
- ISCIIA2004 conference, Dec. 10, 2003-Dec. 20-22, 2004, China
- ICS2004 conference, Dec. 10, 2003-Dec. 15-17, 2004, Taiwan
- Korea Institute of Industrial Technology Evaluation and Technology, Expert committee, 2006.12.-
- KASAS(Korea Automation Standard Association Society: Expert Committee, 2004, 10-2006, Now
- Society of Korea Robot and Automation (2004-2006)
- Daejeon City Committee for Construction, 2004. 1.-2012.12
- Korea Information Technology Director, 2004.1.1- 2008.12.31.
- KES2005 (Special session), Sept. 12-15, 2005, Australia.
- IASTED2005-ACIT (Special session), June 20, 2004-June 20-24, 2005, Russia,
- IASTED2005-CI (Special session), July 2, 2004-July 2-6, 2005, Canada,
- KES2006, Oct. 11, 2005-Oct. 9-11, Bournemouth International Centre, Bournemouth, 2006, UK.
- EME2006, Oct. 11, 2005-Oct. 9-11, Bournemouth International Centre, Bournemouth, 2006, UK.
- Committee of Korea Engineering Award 7th, 2007. ISIIA2007, Dec. 10, 2005-Dec. 18-20, 2007, India.
- The International Program Committee for the IASTED International Conference on Computational Intelligence (CI), Nov. 25, 2006 - July 4, 2007.
- President, Society of Korea Science and Technology, Dec. 1, 2008.
- Co-editor, Japan Society for Fuzzy Theory and Intelligent Informatics, executive committees, June 2, 2007 -2009.
- Co-editor, "Journal of Advanced Computational Intelligence and Intelligent Informatics(JACIII)",2006-Now, Fujii press, Japan.
- Editor, IJCIR (International Journal of Computational Intelligence), 2007-, Helsinki, University of Technology, Finland.
- SACI2009 (5th International Symposium on Applied Computational Intelligence and Informatics), Timișoara, Romania, May 28-29, 2009.

- **Membership**

- IEEE (Fuzzy, Neural network, Evolutionary, Industrial application, Control technology, Automatic control, System and man, cybernetic)
- ISA (The Instrumentation, Systems, and Automation Society)
- IEEJ (Institute Electrical Engineering of Japan)
- JROS (Japan Robotic Society)
- SOFT (Society of Fuzzy Theory and Intelligent Informatics, Japan)
- INNS (International Neural Network Society)
- SICE (Society of Instrument and Control Engineering, Japan)
- KIEE (Korea Institute of Electrical Engineering)
- ICASE (Institute of Control Automation and System Engineering, Korea)
- KFLIS (Korea Fuzzy Logic and Intelligent System)

- **Paper review**

- IJSSST Review for 1569285494: Genetic Algorithm Approach for Scaling Factors Optimization of The Modular Fuzzy Logic Control for Two-wheeled Wheelchair, March 15, 2010. Etc 180 papers

- **Book Author**

- Dong-Hwa Kim, Jae Hoon Cho, and Ajith Abraham, "Hybrid Genetic Algorithm and Bacterial Foraging Approach for Global Optimization and Robust Tuning of PID Controller with Disturbance Rejection," Hybrid Evolutionary Algorithms (Computational Intelligence 75), Springer, Germany, 2007.
- Dong-Hwa Kim, Ajith Abraham, and K. Hirota, "Hybrid Genetic: Particle Swarm Optimization Algorithm," Hybrid Evolutionary Algorithms (Computational Intelligence 75), Springer, Germany, 2007.

- **Published Paper**

- Shivashankar B. Nair, D.H. Kim, W.Godfrey, "On Realizing a Multi-Agent Emotion Engine", International Journal of Synthetic Emotions", has been accepted in the International Journal of Synthetic Emotions.
- Dong Hwa Kim, Kaoro Hirota, "Vector Control for Loss Minimization of Induction Motor Using GA-PSO," [Applied Soft Computing](#) (SCI), pp. 1692-1702, Elsevier, Aug. 2008.
- Young Jae Lee, Ajith Abraham, Dong Hwa Kim (Korea, USA): 3D object recognition using octree model and fast search algorithm, Neural network world, Vol. 20, 359-369. March, 2010.
- **200 papers published in international Journal**

- **Conference Paper**

- Dong Hwa Kim, Peter Baranyi, "Novel emotional dynamic express for robot", SAMI2011, Jan. 26-31, 2011, Slovakia. Etc. 150 papers.

● Report and Project

- 2009.06.30, Korea-Hungary bilateral seminar.
- Dong Hwa Kim, Development of Intelligent Control through study of Bacteria foraging Characteristics, 2006. 8.1-2007. 7. 31.
- Korea-Hungary Joint Work : Aug.1,2010-Feb.28,2011(6-Month), Participation in the research of Robot motion related topics of the ETOCOM project(TAMOP4.2.2-08/1/KMR-2008-2007) including consultation with research staff members and giving related lectures)
- Several reports and projects have been published.

● Awards

- [Best paper award](#), "Robust PID controller tuning using multiobjective based on clonal selection of immune algorithm," KES2004 International conference, Sept. 20-25, 2004, Newzealand.
- [Best paper candidate](#), "Dong Hwa Kim, "Robust tuning of embedded intelligent PID controller for induction motor using bacterial foraging based optimization," Lecture Notes in Computer Science Proceeding of Springer (SCI)-LNCS, ICESS2004, Dec. 9-10, 2004, Zhejiang University, Hanzhou, China.
- [Best researcher award](#): 2005 SCI paper of the Hanbat National University July, 19, 2006.
- Registered, Marquis Who's Who, Jan. 1, 2007
- 2007. 4, IBC (International Biographical Centre) 2007. 4 and Award Metal
- 2007. 7, Cambridge Blue Book, Great lives, Dictionary of International Biography, 2000 Outstanding Intellectuals of the 21st Century
- 2007. 4, ABI (the American Biographical Institute) 2007/2008, Registered, (2007/2008).
- 2008 Universal Award of Accomplishment, Jan. 25, 2008, ABI (USA)
- Great Minds of the 21st Century 2007/2008, Feb. 8, 2008, ABI (USA)
- Lifetime of Scientific Achievement Award, Feb. 8, 2008, IBC (UK)
- One World – Diverse Yet Intertwined Gold Medal For Korea2008, Feb. 2008, ABI (USA)
- 2000 Outstanding Intellectuals of the 21st Century Awards, Feb. 15, 2008.
- Top 100 Engineers 2008, Feb. 29, 2008, IBC (UK)
- International Einstein Award for Scientific achievement, 2010.5.4, IBC.