



NAK YOUNG CHONG, Japan

Nak Young Chong (M'99-SM'12) received the B.S., M.S., and Ph.D. degrees in Mechanical Engineering from Hanyang University, Seoul, Korea, in 1987, 1989, and 1994, respectively. From 1994 to 2003, he was a member of research staff at Daewoo Heavy Industries and KIST in Korea, and MEL and AIST in Japan. In 2003, he joined the faculty of Japan Advanced Institute of Science and Technology, where he currently is a professor of information science and directs the robotics laboratory and the center for intelligent robotics. He is also an associate graduate faculty at the University of Nevada, Las Vegas, distinguished invited research professor at Hanyang University, and international scholar at Kyung-Hee University. He was a visiting professor at Northwestern University, the Georgia Institute of Technology, and the University of Genoa. Dr. Chong is a member of Korea Robotics Society Board of Directors, Robotics Society of Japan, and Society of Instrument and Control Engineers.

IEEE Activities:

COMMITTEES/BOARDS: Co-Chair, IEEE RAS Technical Committee on Networked Robots, 2004-2006; Associate Editor, IEEE T-RO Editorial Board, 2009-2013; Member, IEEE CASE Steering Committee, 2012-; Member, IEEE RAS Early Career Award Evaluation Committee, 2013-

CONFERENCES: Editor, ICRA Conference Editorial Board, 2012-; Editor, CASE Conference Editorial Board, 2011-2012; Editor, Ro-Man Conference Editorial Board, 2013; Program Chair, CASE 2012; Program Co-Chair, Ro-Man 2011; Program Co-Chair, Ro-Man 2013

OTHER: IEEE Technical Expert; Lead Guest Editor of CASE Special Section of *IEEE T-ASE*, October 2013

Qualifications: I have an international background and have cultivated a career that bridges both industry and academia. I have been involved in research and teaching at AIST and JAIST in Japan for 16 years, and spent years in USA. I was initially educated and worked at Daewoo Heavy Industries and KIST in Korea for 15+ years. I am well connected with colleagues in Asia and Europe. Based on a rich diversity of experience, I will make sure that our society remains the most global and open one in IEEE.

I have served as program chair for CASE (2012), program co-chair for Ro-Man (2011, 2013), and served as organizing/program committee member for numerous IEEE sponsored conferences. I have served as co-chair for IEEE RAS technical committee on networked robots from 2004 to 2006, and co-chair for Fujitsu scientific system robotics working group from 2004 to 2008. I have served as associate editor for *IEEE T-RO* from 2009 to 2013, and editor for CASE conference editorial board from 2011-2012. I have served as program co-chair for JCK workshop on robotics 2009, ICAM 2010, and URAI 2013, and will serve as program chair for DARS 2014. I have served as guest editors in various publications. I have organized workshops in conjunction with ICRA (2007) and IROS (2007), an international summer school on locomotive and cooperative robotic systems (2010), and RoSEC international summer and winter schools (2012, 2013).

I am currently serving as Editor for ICRA conference editorial board, IEEE technical expert, topic Editor-in-Chief for *International Journal of Advanced Robotic Systems*, Associate Editor for Springer *Journal of Intelligent Service Robotics*, and associate editor for *International Journal of Assistive Robotics and Systems*, and panel evaluator for the IEEE RAS early career award.

Through my various positions, I have exposed myself to a variety of responsibilities, and maintained an effective balance between independence and collaboration. More important, I have learned that I enjoy working with my colleagues in RAS, and making new friends. I look forward to bringing my experience and enthusiasm to RAS AdCom.

Major Accomplishments:

- (1) As a co-chair of RAS TC on networked robots, I have envisioned new paradigms for ubiquitous networked robots by organizing workshops and leading publication and technical activities, which was recognized by the 2005 RAS most active technical committee award.
- (2) As an associate editor of *T-RO*, I have closely worked with editors to maintain the highest quality standard of our flagship journal.
- (3) As an editor of the CASE conference editorial board and program chair of CASE 2012, I have made every effort to encourage submissions from industry and organize interactive sessions, pushing the boundaries of CASE and expanding its horizons beyond academia. I have included topics that have never been covered in previous CASE conferences and received 301 papers from 32 countries, which is the largest number ever submitted for this event.
- (4) As an editor of the ICRA conference editorial board, I have closely worked with the editor-in-chief to maintain the highest standard of our flagship conference.
- (5) I have been involved actively in organizing and chairing a number of international conferences, and broadening the spectrum of attendees.

Position Statement: I will proactively seek out opinions of our members on what issues the society should address, and work tirelessly to make sure these issues are taken up and acted upon by AdCom. I view being an AdCom representative as not adding a line on my resume, but an important service to our society, and one that I care about deeply.

I will work toward increasing the opportunities for our members to contribute to the community, and making the process more transparent. I will be a good listener and a passionate advocate for our alienated regions, engaging their participation as volunteers and promoting their interests in the society. I will work toward creating a single information portal that describes volunteer opportunities to the society for publications, conferences, technical activities, and member services.

I will work toward making our conferences more open, and improving the satisfaction level of participants. Most members are tired of being solicited to contribute to too many similar conferences. I believe each of the conferences must be unique and most effective for open and timely sharing of information and ideas. Our conferences accept only full length papers, which require a considerable amount of effort in submitting and reviewing papers that must be done within tight time frames. We again put our efforts into revising papers to submit to journals, since our research quality is often evaluated by archival publications. I am aware that there is discussion within RAS to modify the format of conference publications, for example, to turn our flagship conference publications into an archival journal publication like some other societies. Further, it is worth considering including only extended abstracts in the conference proceedings that highlight important and significant technical contributions and crucial results. I will take an active role in seeking out opinions of our members on these and other ideas, and if there is support, I will work with the publications activities board and pursue these goals energetically, so that they can be implemented during my term.

Automation involves coordinating various functions in industry, toward ensuring reliability and efficiency, and further enhancing our quality of life. As the name RAS implies, our society should be characterized by equal amount of dedication to robotics and automation. However, much less attention has been placed on automation. I will lead major efforts on maintaining the balance between robotics and automation, and easing participation in conference and publication activities from small and medium-sized businesses. Now is the time for the society to make steps toward facilitating the interplay between academics and practitioners, and making technologies practical for wide scale use.

The most important function of an AdCom representative is service to the society, and I pledge to make this one of my highest priorities during my term. If elected, I will passionately dedicate myself to resolving the issues

mentioned above, as well as many other topics of interest raised by our members, to increasing the perceived value of RAS membership, and to shaping the future of our RAS society.