

## INTRODUCTION

As a Ph.D-level professional with diverse and significant practical experience and strong problem-solving skills, I am good at leading a group of people to tune in same goal and finish and achieve a productive result.

\* Extensive experience in scientific research: My work over 20 years has built on diverse expertise in basic biomedical science and instrumentation and application development of SPM for Nano-metrology specially for media and semiconductor industry and Biomedical Science. My work has been recognized with various awards and nationally fund research grants.

\* Recently becoming a director in R&D Advanced Technology Center of 58 (23 in Korea, 25 in Abroad) Scientist and Engineers at Park Systems Corp, I am charge of application development, demonstration, customer support and technical writing. Previously, I was also a director in R&D of 30 people at Park Systems Corp. for 12 years. I have enjoyed working together with brilliant minds in the country from various disciplines. The principal goals of our group are Instrumentation and new application developments. As a group leader, I help the members define their project goals by identifying a solvable question, designing the experiments to help them generate and analyze data, and applying these results to improve and devise instruments. They are actively involving in SPM development and applications research, and presenting their works at various international conferences. Together, We have successfully carried out the numerous national projects, together.

\* Solid record of scholarly contributions: My record of 40+ publications, +60 oral and +45 poster presentations in scientific conference and +100 invited lectures and presentations provides strong evidence that I am a productive scientist.

I am an enthusiastic, self-motivated, hands-on, results-driven researcher who continuously demonstrates a high level of commitment and business acumen. My proven willingness to accept challenges and responsibility together with keen technological insight lead me to be in charge of many roles in national planning committees and international organization.

## EDUCATION

Iowa State University Ph.D. in Neuroscience, 1998

## PROFESSIONAL Position

- Current, Park Systems Corp., S. Korea – Vice President & Director, R&D Application Tech Center
- Current, Advanced Institute of Convergence Technology, Seoul National Univ., S. Korea, Principal Researcher
- Current, ISO TC201 SC9 Scanning Probe Microscopy Chairman
- Current, Korea Analytical and Scientific Instruments Association (KASIA) BOD Member
- Dec 2003 – Sept 2005, KAIST - Research Professor, Jung Mun Sul Center
- Oct 2000 – Aug 2003, Wayne State Univ. - Research Fellow, Dept. of Physiology, NanoBioTechnology Center, Assoc. Director (02~03)

## PROFESSIONAL ACTIVITIES (Recent yrs.)

- Feb 2008 –ISO TC201 SC9 Secretary & Convener and Expert, Chairman (since 2018)
- June 2018 - May 2020, PI, Nanoconvergence 2020 Grant Award (\$ 2.5 Millions)
- June 2015 - May 2018, PI, Nano Core Technology Development Grant Award (\$ 5 Millions)
- June 2013- May 2018, PI, Advanced Technology Center Grant Award (\$ 3.5 Millions)
- June 2013- May 2015, PI, Global Strong SME Grant Award (\$ 1.2 Millions)
- June 2009- May 2012, PI, National Core Technology Project Grant Award (\$ 4 Millions)
- June 2009- May 2012, PI, National Standardization Project Grant Award (\$ 72,000)

## PROFESSIONAL HONORS & AWARDS (Recent yrs.)

- Nov 2017 – Achievement Award, Ministry of Science and ICT
- Nov 2014 – Business Leadership Award, Gyeonggi Small & Medium Business Administration
- May 2014 – Best Paper Award, Micro & Nano Eng. Div. Korean Society of Mechanical Engineers
- Dec 2012- Included in the 30th Pearl Anniversary Edition of Who's Who in the World
- Aug 2012- Innovative Research Award, Ministry of Education, Science and Technology
- Aug 2012- Excellent in Industrial Technology Award, Ministry of Knowledge Economy to Park Systems
- Dec 2010- Constituted Korea's Top 10 Technologies in 2010 to Park Systems
- Dec 2010- Silver Prize in 2010 Korea Technology Awards to Park Systems

- Scientific Publications (44+)
- Abstracts of Papers Presented at Scientific Meetings (60+ oral)
- Abstracts of Papers Presented at Scientific Meetings (45+ Poster)
- Invited Presentations & Lectures in General Subject (100+ Presentations)



**Sang-Joon Cho, Ph.D**

Vice President & Director,  
R&D App Tech Center  
msjcho@parksystems.com