



Professor Wilfred Chen

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Short BIO

Professor Wilfred Chen joined the University of Delaware in January 1, 2011 as the Gore Professor of Chemical Engineering. He obtained his B.S. degree from UCLA in 1988 and his Ph.D. from Caltech in 1993, both in Chemical Engineering. After one-year postdoc in Switzerland, he joined UC Riverside in 1994. He was Professor of Chemical and Environmental Engineering and the holder of Presidential Chair until he joined Delaware in 2011. His research interests are in Synthetic Biology and Protein Engineering. Prof. Chen has published more than 250 journal papers and delivered over 90 invited lectures. He serves on the editorial board for many scientific publications including Applied and Environmental Microbiology and Biotechnology and Bioengineering. He is also the editor/associate editor for Biochemical Engineering Journal, Biotechnology Journal, and AIChE Journal. He is a fellow of the American Association for the Advancement of Science (AAAS) and the American Institute for Medical and Biological Engineering (AIMBE).

Prof. Chen has also received numerous awards, including NSF Career Award, AIChE Food, Pharmaceutical, and Bioengineering Division 15c Plenary Lecture, Biotechnology Progress Award for Excellence in Biological

	<p>Engineering Publication, Daniel I.C. Wang Award for Excellence in Biochemical Engineering from AIChE/SBE, Marvin J. Johnson Award in Microbial & Biochemical Technology from ACS, and the AIChE Food, Pharmaceutical & Bioengineering Division Award.</p>
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	Professor Shuichi Yamamoto
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	Bio-Process Engineering Laboratory Director, Yamaguchi University Biomedical Engineering Center (YUBEC) Yamaguchi University, Japan
	<p>SHORT BIO:</p> <p>Dr. Shuichi Yamamoto is Professor at Yamaguchi University, where he currently belongs to the Graduate School of Medicine (Bio-Process Engineering Laboratory) and the Director, Yamaguchi University Biomedical Engineering Center (YUBEC). He received a B.S. degree in 1976, a M.S. in 1978 and a Ph.D. in 1981 in the Department of Food Science and Technology at Kyoto University. He has been at Yamaguchi University since 1981. His research interests are in the fields of biochemical engineering, food engineering, medical engineering, and mass transfer. He received a 2004 research excellence award from the Society of Chemical Engineers Japan on “Engineering analysis of chromatography of proteins”, a 2005 research excellence award from Japan Society for Food Engineering on “Drying of liquid foods and inactivation of enzymes during drying”, 2016 SCEJ award from the Society of Chemical Engineers, Japan” (the highest award) on “Studies on Separation Engineering of Bio-Chromatography, and a 2017 award from Japan Society for Food Engineering (the highest award) on “Simplified mechanistic models for analyzing food processing- chromatography and drying”.</p> <p>His published paper “Shuichi Yamamoto and</p>

Ayako Kita, Rational design calculation method for stepwise elution chromatography of proteins, Trans.IChemE.Part C., Food and Bioproducts Processing, Vol.84, C1, 72-77, 2006”, has been recognized as the "Top-75 most cited articles" published in the IChemE journals 2006 – 2009. Although he has published more than 100 papers, his monograph published in 1988 by Marcel Dekker "Ion-Exchange Chromatography of Proteins" is still his landmark. His chromatography model better known as "Yamamoto Model" and “Yamamoto number” have been employed by various Biotech companies as well as by academic researchers. His diffusion-based drying model is also called “Yamamoto model” as well, and has been used by many researchers. The models are explained in several handbooks such as Perry's Chemical Engineering Handbook.

He serves as an editorial board member for the following journals; Japan Journal of Food Engineering (Editor-in-Chief), Separation Science and Technology, Preparative Biochemistry and Biotechnology, and BioProcess International. Currently he is President of Asian Pacific Confederation of Chemical Engineering (APCChE), and a Council Member of World Chemical Engineering Council (WCEC) as a representative of the Society of Chemical Engineers, Japan (SCEJ).



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Short BIO

Dr. Park is Professor at the School of Energy and Chemical Engineering, UNIST (Ulsan National Institute of Science and Technology; <http://bcelab.unist.ac.kr/>), Korea. He received a BS (1980) and MS (1982) in Chemical Technology from Seoul National University, Korea and a Ph.D. (1988) in Chemical Engineering from University of California, Davis, USA. Before joining UNIST, he worked at CKD Pharmaceuticals, Korea (1980-82), Lawrence Livermore National Laboratory, CA, USA (1988-91), and Pusan National University (PNU), Korea (1991-2017). At PNU, he served as Department Head (1997-1999), Director of Institute for Environmental Technology and Industry (2002 – 2008) and Dean of the International Affairs (2008-2011). Dr. Park is former and now honorary Editor-in-Chief of Biotechnology and Bioprocess Engineering (BBE), and a Senior Editor of Journal of Industrial Microbiology and Biotechnology (JIMB). Major research interest lies in metabolic engineering and synthetic biotechnology for microbial production of biofuels and biochemicals from renewable resources. Dr. Park educated ~100 graduate students and postdocs, and published >180 papers in peer reviewed journals.