List of Invited Speaker

Speaker **Siti Machmudah**  
Department of Chemical Engineering  
Institut Teknologi Sepuluh Nopember

Siti Machmudah is a lecturer in Department of Chemical Engineering, Institut Teknologi Sepuluh Nopember, Indonesia. After graduate from Bachelor Degree in Chemical Engineering Department, ITS, Indonesia (1998), she graduated from her Master Degree in Graduate School of Science and Technology, Kumamoto University, Japan (2005). She graduated from doctoral degree in three years (2008) from Kumamoto University.

Siti Machmudah is known as a lecturer in Department of Chemical Engineering, Institut Teknologi Sepuluh Nopember since 1998. After graduate from doctoral degree in Japan, she also known as researcher in Bioelectric Researcher Center, Kumamoto University (April, 2008 – March, 2009), researcher in Department of Chemical Engineering, Nagoya University (April, 2012 – March, 2014). Her research is concern in Bioelectric. As in April 2009 until March 2011 she became a Japan Society for the Promotion of Science (JSPS) postdoctoral research fellow in Bioelectric Research Center in Kumamoto University. She also became a postdoctoral researcher in Bioelectric Research Center of Kumamoto University. Because she is a researcher, Siti Machmudah has published 62 international journal papers.

Speaker **Ridho Bayuaji**  
Department of Civil Engineering  
Institut Teknologi Sepuluh Nopember

Ridho Bayuaji is lecturer at Concrete Technology and researcher at Laboratory of Material Testing in Civil Engineering Department, Faculty of Civil Engineering and Planning, ITS – Surabaya. His research interests are: hydration and microstructure of concrete materials, incorporation of waste and alternative materials into current building materials, durability and structural performance of alternative and natural building materials, geopolymer concrete, green material Technology, cement replacement material, lightweight concrete, coaching in Civil Engineering program. In 2015, he is currently developing research consortium green material in Geopolymer Research Consortium Indonesia (KORIGI)
List of Invited Speaker

Speaker Sri Fatmawati
Department of Chemistry
Institut Teknologi Sepuluh Nopember

Sri Fatmawati is assistant professor at Laboratory of Natural Product and Chemical Synthesis, Department of Chemistry, Faculty of Mathematics and Natural Sciences, ITS – Surabaya. She obtained her MSc and PhD from Kyushu University, Japan. She is reviewer of some national and international journals. She also received more than 10 honors and awards both national and international, such as: Faculty for The Future Award, 2012 from Schlumberger Foundation – Netherlands, International L’Oreal-UNESCO For Women in Science (FWIS) 2013 from L’Oreal-UNESCO – Paris, France. People of The Year 2013 kategori "Tokoh Muda Indonesia" from Koran Sindo (Seputar Indonesia, MNC Group), The best five Ristek – Kalbe Farma Young Scientist Award 2014 from Ministry of Research and Technology-Indonesia and Kalbe Farma Tbk, Inspiring female scientist from Indonesia from Euraxess Links ASEAN E-newsletter, March edition 2015 and KARTINI AWARD “The Most Inspiring Woman” Surabaya Suite Hotel, Surabaya – Indonesia in April 2015. She is particularly interested in natural products and medicinal chemistry.

Speaker Totok Ruki Biyanto
Department of Engineering Physics
Institut Teknologi Sepuluh Nopember

Totok R. Biyanto (TRB) is associate professor at Instrumentation, Process Control and Optimization, Department of Engineering Physics, Faculty of Industrial Engineering, Institut Teknologi Sepuluh Nopember, Surabaya, Indonesia. He completed his PhD from University of Petronas Malaysia. His research and teaching interests are instrumentation, advanced process control and optimization for oil and gas, petrochemical, cement, powerplant, and general industries, green building, energy efficiency and conservation, heat integration, and plant design.