

NTU-Institute of Advanced Studies Ground-Breaking Science Lecture

Polymer Design Platform for Advanced Industrial Applications Enriching Our Society and Latest Technology

by **Prof Atsushi Goto**

National Research Foundation Investigator 2019
School of Physical and Mathematical Sciences, NTU

Designed polymers are next-generation polymers for creating high-value products which are important in chemical industry. We developed a new synthetic method of designed polymers. The novelty of our work is the use of “non-metal catalysts” via our new chemical reaction. Our innovative method offers significant cost-down in manufacturing designed polymers and also opens up applications. Our method is now commercially used for manufacturing high-value printer inks. We are collaborating with several companies in developing various products in biomedical, coating, and oil & gas applications, for example. We explain how our chemistry enriches our society and latest technologies.



About the speaker

Atsushi GOTO received Ph.D. in 2001 from Kyoto University, Japan. He was appointed to an instructor (2001), an assistant professor (2002-2010), and an associate professor (2010-2015) in Institute for Chemical Research, Kyoto University. He moved to NTU in June 2015 as an associate professor (2015-current) and was appointed to Deputy Head of Division (Division of Chemistry and Biological Chemistry) in NTU (2017-current). His research interests include polymer chemistry and polymer materials, particularly designed synthesis of polymers.

8 January 2019 (Tuesday)

4:30pm to 6:00pm

SPMS Lecture Theatre 5

SPMS Level 3 (21 Nanyang Link Singapore 637371)

Admission is free. Tea will be served from 4:00pm.



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scan the QR code or go to
<https://bit.ly/2AVWfUH>**