

INVITATION

You are invited to attend the International Symposium on Nature-Inspired Technology (ISNIT) to be held on Sep. 22, 2006 at Korea Institute of Machinery and Materials (KIMM), Daejeon, Korea. This symposium is organized by KIMM and the society of nature-inspired technology in KSME (the Korea Society of Mechanical Engineers). KIMM was founded in 1976 with the aim to plan, research & develop, test & evaluate and provide technical support in the field of machinery and materials and to promote the advancement of the nation's science and technology. This year is the 30th anniversary of establishment of KIMM and this symposium is organized in celebration of the 30th anniversary.

In this symposium, international experts will present the state-of-the-art technology of nature-inspired technology or biomimetics. We hope it provides a forum for communication among researchers in this field and promotes the inter-countries and multi-disciplinary collaboration.

We look forward to welcoming you at the International Symposium on Nature-Inspired Technology.

Sincerely,

Park, Hwa Young

President

Korea Institute of Machinery and Materials

PROGRAM

10:00 ~ 10:10

Registration

10:10 ~ 10:20

Opening Remarks

10:20 ~ 11:00

Vincent, Julian
(Univ. Bath, U.K.)

Engineering lessons from biology

11:00 ~ 11:40

Kim, Wan-Doo
(KIMM, Korea)

Introduction to nature-inspired technology

11:40 ~ 12:20

Shkel, Yuri
(Univ. Wisconsin, U.S.A.)

Bio-mimicking materials: multifunctional performance of micro-tailored nano-composites

12:20 ~ 1:20

Lunch

1:20 ~ 2:00

Takai, Osamu
(Nagoya Univ., Japan)

Biomimetic Nanotechnology

2:00 ~ 2:40

Rha, Jong Joo
(KIMM, Korea)

Super-hydrophobic treatment of transparent polymers by plasma

2:40 ~ 3:00

Coffee Break

3:00 ~ 3:40

Suh, Kahp-Yang
(Seoul Nat'l Univ., Korea)

Stretched polymer nanohairs by nanodrawing for mimicking nature's dry adhesives

3:40 ~ 4:20

Ramakrishna, Seeram
(Nat'l Univ. of Singapore, Singapore)

Biomimical applications of electrospun nanofibers

4:20 ~ 4:40

Coffee Break

4:40 ~ 5:20

Lee, Young-Shin
(Chungnam Nat'l Univ., Korea)

Human modeling for movement simulation and analysis

5:20 ~ 6:00

Yoon, Kwang Joon
(Konkuk Univ., Korea)

Development of Artificial Muscle IDEAL Using Piezoelectric Ceramic and MEMS Technology

6:00 ~

Banquet

MAP



Conference room (1F)

REGISTRATION FEES

This symposium demands **NO registration fees** for a booklet of presentation, coffees, lunch!!!

MEMO

Symposium Chair

Kim, Wan-Doo
(KIMM, wdkim@kimm.re.kr, +82-42-868-7627)

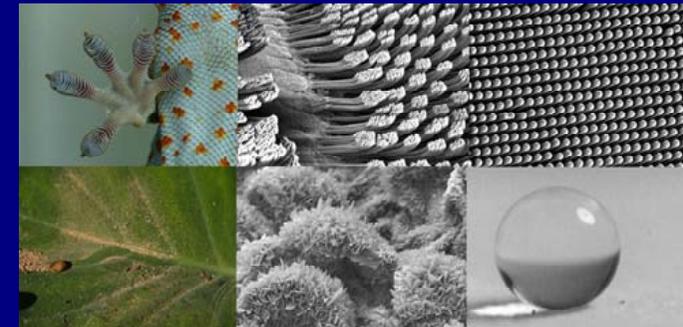
Symposium Committee

Cho, Young-Sam (KIMM)
Rah, Jong Joo (KIMM)
Kim, GeunHyung (KIMM)



In commemoration of KIMM's 30th Anniversary

International Symposium on Nature-Inspired Technology, 2006



September 22, 2006
KIMM, Daejeon, KOREA

Organized by

Korea Institute of Machinery and Materials (KIMM)
The Research Group of Nature-Inspired Technology, KSME

Supported by

The Korea Society of Mechanical Engineers (KSME)