

THE TECHNOSCAPE

NEVER TOO NEXT !!!

Department of Chemical Engineering, SCALE, VIT University, Vellore

4p

TIMES !



Yokohama to Vellore

Dr. Nakamura hails from Japan for Technoscape¹⁶

- 16th Oct, 2016, Chennai International Airport



- Saurabh Arand
Kanai Radhakrishnan

Technoscape16, An International Conference on Separation Technologies in Chemical, Biochemical and Petroleum and Environmental Engineering is proud to have Dr. Kazuhisa Nakamura, Yokohama National University, Japan, as its keynote speaker and a prime member of the Scientific Advisory Committee of Technoscape.

Dr. Kazuhisa Nakamura from Yokohama National University, Faculty of Engineering, Material Science and Chemical Engineering 1993 Graduate has a wide array of research papers on porous filter, surface Transport phenomena in unit operation, membrane preparation and characterization for water treatment, solid liquid separation technology, etc. which have been published on a colossal scale. He will be gracing us with his presence at VIT, Vellore on 20th-21st October. His invaluable knowledge combined with the rare knack and desire to turn theory into practical applications testifies his unique presence in the chemical engineering circuit.

His expertise and experience in the field of separation technologies world of great incite for the delegates as we look forward to hearing and learning from your work.

We welcome him from the land of the rising sun to the Indian turf! Team Technoscape wishes him a pleasant stay and look forward for a remarkable experience at VIT University.

Featured Article in Elsevier's Resource Efficient Technologies

- 16th Oct, 2016, Reaction Room, SMV

Over the years, the chemical industry and its allied process industries such as food, agro, petroleum and petrochemicals, energy, environment, health, pharmaceuticals, resource extraction, processing and recovery, construction, cosmetics, waste management, etc. have demonstrated an evolutionary adaptation to the ever changing needs of their markets and consumers. As unit operations, innovative separation process and technologies have played a key role in the continual development of these industries. In addition to the extensively studied and implemented operations such as absorption and stripping, extraction, distillation, crystallization, fluidization, solvent extraction, drying, etc., there has been considerable research and development in new thematic areas of separation science such as membrane and polymer science, nanotechnology, alternative fuels and bioenergy, process optimization, green engineering, etc. This is clearly reflected in this Special Issue (SI) of Resource-Efficient Technologies.

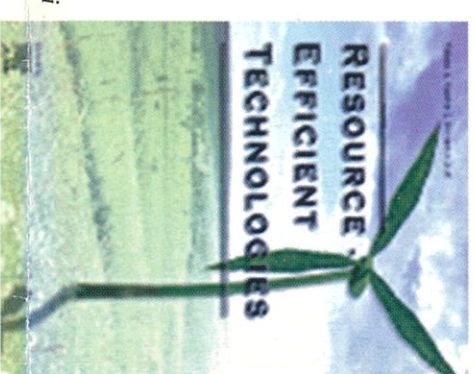
Similar to other industries, chemical and allied chemical industries have been significantly influenced by external macro-trends such as expansion of international trade and globalization, sustainability and the development of environmental consciousness, both in the consumer and the manufacturer. In particular, this has seen the application of environmental and advanced separation technologies in the recovery of metals,

removal of hazardous chemicals from the environment, contaminant removal and water purification, production of biofuels, in realizing enhanced value from substances that were erstwhile classified as 'wastes' such as human excreta and husbandry wastes etc. Interestingly, in several applications such as wastewater treatment, separation technologies no longer play their conventional role of 'removing and isolating' substances; instead in lieu of regulatory considerations as well as growing recognition of the possibility of achieving significant cost reduction and energy savings, they have started to play the role of 'resource recovery/recycling' processes.

Furthermore, given the high costs usually attributed to separation and purification operations in process industries, the search for non-conventional, low-cost, low-risk alternatives has spurred academic research worldwide. Again, this is illustrated in the SI where an increasing number of submissions have been influenced by such developments in separation science.

The SI has been developed on the basis of papers submitted by authors who attended the following conference held at VIT University, India (<http://www.vit.ac.in>) on October 20-21:

- Mahesh Ganesapillai
Aruna Singh
Prithvi Simha



Exquisite Taste of Cultural Extravaganza

- 20th Oct, 2016, Greens

The Cultural Night of TECHNOSCAPE16 organised by Department of Chemical Engineering at Vellore Institute of Technology, to be held on the eve of 20th October, will commence with the lighting of the lamp by the distinguished chief guests of the event. In India, the lamp is lighted for all auspicious occasions, as a witness to our thoughts and actions. It is said, "Where there is light, darkness cannot be; where knowledge has come, ignorance must quit." The lighting of the lamp will be followed by Shri Ganesh Vandana. The Shri Ganesh Vandana is an invocation to Lord Ganesh, the Hindu God of knowledge, higher arts and pure intelligence amongst numerous other qualities attributed to him.

The performance will display the talents of students of Chemical Engineering department involving vocalists and musical instrument players.

The cultural night will comprise of various performances by the students of VIT. This starts with a fusion of various Indian Classical dance forms by VIT dance club group, 'Maaya'. The origins of Indian Classical dance forms can be traced many centuries back, born as an expression of emotions and devotion to deities. Maaya means mystical and hopefully the performers will mystify the audience with their fluid flowing dance moves.

Followed by which will be a group song by the choir consisting of members of Team Technoscape. It will be a medley of different Bollywood songs, a blend of various cultures and ethnicities in India. Next, will be the dance performance by the VIT dance group, 'Jats and Julies'.

This group of dancers are known for extraordinary Punjabi dance skills. Punjabi dances are an array of folk and religious dances of people from the state of Punjab and its style ranges from very high energy to slow and reserved, and there are specific styles for men and women. There will also be star performance by Miss Mihika a young sensation. Mihika's melodious voice will bring forth the lost memories of Old and renowned singers and fuse in the new generation genre of songs. Next, there will another dance performance by the VIT dance club, 'Niringe'. The group will be presenting Indo-jazz dance form. The group is known for their coordination and formations. Indo-jazz is a hybrid of jazz, classical and Indian influences. The structures and patterns will be based on Indian music with the improvisation typical to jazz overlaid. We hope that the audience will be stunned with the performance.

Techno-TOON



A Chemical Engineer is someone who knows enough mechanics to confuse a chemist, enough chemistry to confuse a mechanic and enough maths to confuse himself!



Another Indo-jazz performance will be the Gajanti folk dance by the members of Team Technoscape. The circular and spiral figures of this dance form have similarities to other spiritual dances such as those of Sufi culture. Traditionally, it is performed during the nine-day Hindu festival Navratri.

The cultural night will mark its end with the GALA DINNER, which will provide exclusive taste of the Indian cuisine, which encompasses a wide variety of regional and traditional cuisines native to India to the delegates coming from various countries and regions.

Given the range of diversity in soil type, climate, culture, ethnic group, and occupations, these cuisines vary significantly. Indian cuisine has been and is still evolving as a result of the nation's cultural interactions with other societies.

- Ranika Gupta
Nandini Jain