

## IRMA Seminar on Resins Today & Tomorrow

THE Indian Resins Manufacturers Association (IRMA) organized its annual Seminar on the topic : "Resins today & tomorrow VII: Challenges & Opportunities" at Hotel Sea Princess, Mumbai on 25th September 2010. Mr Dilip Dandekar, CMD Camlin was the chief guest on the occasion. The Convener of the Seminar was Mr D G Parikh, Past Chairman , IRMA & Director, M/s. P G Resins and Coatings. Pvt. Ltd. IRMA has brought out a Souvenir cum Members' Directory to mark this event. More than 100 delegates from the industry participated in the Seminar.

Dr P S Samant, who welcomed the chief guest and all the participants, narrated the activities of IRMA and dwelled upon the theme of the Seminar. He then introduced the Chief Guest to the audience.

The President, Mr Ballal Chandrachud in his presidential address remarked that this seminar presents a great opportunity to acquire knowledge, get new ideas, make new contacts, catch up with old pals and finally make your presence felt in the Resin Industry. He further said that in the present scenario, change is a permanent factor and speed of change is amazing. As technology is improving at a very fast pace, the key to survival is to continuously adapt to these technology changes.

The inaugural address was delivered by Mr Dilip Dandekar, who is a leading industrialist and CMD , Camlin Ltd. and President, - IMC. He appreciated the management of IRMA in organizing this seminar and also assured his support to IRMA in his capacity as the President, IMC.

Later, Mr. Vicky Kappor, Past President, IRMA and Joint M.D, Gargi Huttens Albertus P Ltd was honoured for the yeoman service he had rendered for the

association by the Chief Guest, Mr. Dandekar.

There were two sessions with two presentations in each session which were followed with questions and answers. For the first time IRMA had also arranged a parallel programme for ladies under the convenership of Mrs Vasudha Chandrachud, the wife of the IRMA President.

Indian Resins Manufacturers Association (IRMA) is an all India Body exclusively representing resins manufacturers country wide.

### Seminar papers

The following papers were presented by the renowned speakers from Asian Paints (I) Ltd and Kansai Nerolac Paints Ltd.

### Advances in polymers / resins

Dr Mosongo Moukwa, vice president, technology, Asian Paints I Ltd presented

the first paper on "Advancement in polymers / resins for coating applications". Dr. Mosongo Moukwa reviewed the major drivers for the coatings research in general and polymers/resins as key component of coatings in particular. The key drivers in coating developments are: Environment regulations, Market demand for improved performance and low cost, cost volatility and availability of raw materials as well as sustainability. Dr. Moukwa pointed out that during the next 10 years, most research will need to focus on self cleaning, easy-to-clean, sensor and tribological properties. To achieve the desired coating materials, he said that it would be necessary to design advanced materials that would include:

- Hybrid materials with complex morphology;
- Nanocomposites and functional nanoparticles, eg, quantum dots, core-shell particles at different lengths scales, catalytic particles;



Distinguished speakers and the chief guest lighting the traditional lamp to inaugurate the program



Dr P S Samant , Treasurer welcoming the distinguished guests and the participants.  
Seated are: Mr Ashok Goklani, Vice President, IRMA, Mr B M Chandrachud, President, IRMA, Mr Dilip Dandekar , CMD, Camlin Ltd, Mr D G Parikh, Seminar Convener, Mr B G Sakaria



Mr Ballal M. Chandrachud, President, IRMA addressing

cerns by forcing paint processing companies to reduce VOC and hazardous materials. Water borne, radiation curing and powder or nano coatings systems would be the defining trends in modern paints, he said.

Mr. Moukwa informed about the recently announced development of the production of emulsions incorporated with monomers that have an affinity for pigments. This helps to ensure that pigment particles remain unflocculated and are more uniformly distributed in the paint film. It is claimed that these emulsions give improved corrosion and abrasion resistance as well as the increased opacity and higher gloss.



Mr Pradeep K Khismatrao, Chief Manager, Resin Development, Kansai Nerolac Paints Ltd presenting his paper

- Functional materials such as inorganic materials, metals, alloys, polymers and DLC (diamond like carbon) layers;
- Micro and nano-structured materials and surfaces;
- New printing inks with tailored properties (especially for new fields of application as printing electronics, nano- and micro-structuring of surfaces, etc.

The key research drivers, Dr. Moukwa said, would be the desire to implement new functions into coatings in order to create industrial products with additional properties; and need to save energy and time and environmental con-



Dr Mosongo Moukwa, VP (Tech) Asian Paints (I) Ltd presenting his technical paper

Talking about polyurethane dispersions and their hybrids, Dr. Moukwa pointed out that waterborne polyurethane dispersion (PUD) coatings were now being produced in non-reactive physical drying, 2-pack and UV curable forms. The properties of the final coating can be varied from very hard to extremely flexible. The backbone of a PUD may be made from many different materials, including polyesters, polyethers and polysiloxanes, but recently a number of authors have claimed that a better overall balance of properties can be obtained by using a polycar-



**Mr Suresh Srinivasan receiving Memento**

bonate backbone. "Simple blending of polyurethane dispersions with acrylic emulsions provides useful coatings with a good cost/property balance, but much better performance can be obtained by preparing true urethane/acrylate hybrids," he said.

In conclusion, Mr. Moukwa stressed the need for focused research and development in the fields of raw material development, formulation of paints, coatings, printing inks and curing mechanisms in order to fulfil future coatings performance requirements.

### Emotional intelligence

This was followed by a speech on "Emotional intelligence & relationship management" by Mr Suresh Srinivasan, Internationally recognized inspirational speaker & trainer. The following is the gist of his talk:

"All of us want to be successful in our business as well as personal life. All of us are aware of intelligence quotient that helps us develop our analytical ability, logic, reasoning and decision-making skill. That happens because our left

brain is moulded for such personality traits because of subjects like mathematics, statistics, science etc. However, being intelligent alone is not sufficient for our success. No doubt, person with high IQ and high EQ would be a star performer however there are instances where persons with high

EQ but low IQ have been extremely successful in their business, profession and life. EQ is developed by development of right brain which happens through subjects like arts, craft, music, dance, drawing, work experience etc. However, these subjects are given extremely low importance by students, parents, teachers and society at large. If these subjects are taken seriously the personality traits like intuition, creativity, relationship management, ability to convince would be properly taken care of. EQ development is possible at any time in life unlike IQ which gets more or less sealed by the time child reaches age of 60.

Systematic attempt to develop EQ would ensure greater success in business and extremely satisfying relations while dealing with boss, peer, subordinate, customers, government and other semi-government agencies and people at large.

Emotional Intelligence is not new for Indian culture, however, it was Daniel Goleman who systematised the idea of Emotional Intelligence.



**Mr Vicky Kappor, Past President IRMA and Joint M.D. Gargi Huttens Albertus P Ltd was honoured for the yeoman service he has rendered for the Association**

He broadly classified Emotional Intelligence in two major classes:

1. Emotional Intelligence factors for intra-personal upbringing.
2. Emotional Intelligence factors for inter-personal relationship.

#### Emotional Intelligence factors for intra-personal upbringing

These factors have been further subdivided in three categories :

- a) Awareness about one's own emotion, and emotion of others.
- b) Impulse control
- c) Self-motivation

#### Emotional Intelligence factors for inter-personal relationship

Under this category Daniel Goleman has mentioned about two sub-qualities:

- a) Empathy
- b) Networking skills

Empathy would essentially involve ability to listen and then empathising with his or her feelings.

Networking skills would involve building healthy network with everyone you come across.

He discussed all these topics with practical examples, intelligently designed games. The techniques to develop the Emotional Intelligence was also be discussed at length.

#### Water borne resins

Mr P K Khismatrao, chief manager, resins developments, Kansai Nerolac Paints Ltd spoke on the topic " Water



**Programme by Ladies**

borne resins for surface coatings". Water-borne coatings, he said, were first introduced during 1930's when commercial paints based on a polyvinyl acetate latex were developed in Canada. Water based paints initially found their niche in the DIY field where concepts of no solvent odours and the convenience of cleaning brushes and rollers in water were successfully marketed.

The further development to replace solvent systems for the more demand-

ing industrial applications has been somewhat retarded due to technical deficiencies in the raw materials. However, in recent years the ever increasing legislation and attitude towards reducing and eliminating ( VOC ) the release of volatile chemicals into atmosphere has put the coating formulator under pressure, he said.

### **Sales & marketing**

Lastly Mr Suresh Srinivasan gave a

scintillating talk on the topic " Sales & marketing". In his talk, he spoke at length about the difference between Marketing & Sales; the triangle of sales; Importance of relationship; Questioning to understand needs; Credibility building - evidence Defeats doubt and the the negotiation process.

The response for the seminar was very encouraging and was well received by the audience. ■