

# ROTOTALK

Quarterly Newsletter of Society of Asian Rotomoulders

2019 CONFERENCE ISSUE

## Editorial Comment

The Theme of StAR's first annual conference in South India and fifteenth overall played out to the hilt at Kochi's scenic waterfront venue from January 23 to 25, 2019. Rotational moulding kept its date with successful intent at the tropical paradise as Kerala is famously known. A hundred attendees from India's roto terrain and 14 other countries along with 20 international speakers and 13 exhibitors made it worthwhile for all to touch upon some new horizons for the wonderful process which rotomoulding is.

### Dear Reader

As much as how many were there, it is Who were there which is of critical importance to assess positive spin offs from the recent StAR conference. The leading moulders & suppliers of the Indian & global industry as attendees and exhibitors will now ensure a demonstrative effect on the rest of the industry of the many new ideas that were generated at the conference. StAR's innovative initiative of holding Workshops on the first day of the conference found good response from attendees and has encouraged the organizing team to think more out of the box when planning future conferences. The induction of the youth brigade into StAR Board is very promising in this regard. We are sure to benefit from some fresh thinking when young minds meet and get imaginative.

The same will hold true for StAR activities during the year which has well and truly commenced with the success of the conference.

Much to look forward to, dear readers.

S B Zaman  
StAR Executive Director

Umakant Savadekar  
StAR President

## StAR 2019 ANNUAL CONFERENCE & TRADE SHOW

### PRINCIPAL SPONSORS



### SILVER SPONSORS



#### Underground tank standards workshop



Prashant

Swetang

Martin Coles

WORKSHOPS

PRESENTATIONS

TRADE SHOW

SOCIAL EVENTS

## StAR 2019 CONFERENCE PERFORMANCE GOES NORTH AS VENUE WENT SOUTH

As StAR completed a decade and half of existence it held its fifteenth conference & trade show on the encouraging and positive theme of **ROTATE FOR SUCCESS IN THE TROPICAL PARADISE!** at Kochi from January 23 to 25, 2019.

Some of attendees of the conference got a foretaste of why Kerala is known as **God's Own Country** when they undertook pre conference tours of the well endowed natural bounty of hill station, plantation, wild life reserve, back waters & boat houses etc.

The conference itself commenced on Jan 23 with four Workshops providing a new kind of bustle, offering four groups distinguished by colour codes the opportunity to attend each of these workshops by the end of the full workshops session. Subject matter of the workshops covered some immediate issues of the Indian roto industry and their larger perspectives.





Ravi Kadivar

A Baheti

S Bhand

RM CER Workshop



S Kulkarni

Akshay Saini

U Savadekar

Workshop on What's Your Question



Workshop on FEA Analysis

## JAN 24TH & 25TH – PRESENTATIONS

A selection of topics appropriate for the region, covering contemporary developments in global rotomoulding brought together an array of speakers. They combined to hold the interest of attendees through the programme of conference presentations on 24th and 25th January

## StAR 2019 SPEAKERS – DISTINGUISHED INTERNATIONAL PANEL



Geert Vaes

Celal Beysel

Saravanan Muthiah

Dhanu Patell

Ravi Kadivar

Ravi Mehra

Peter Mackrell

Marek Szostak

Saugata Chaudhuri

Sunil Bhand

Jaykrishnan V

Konstantia Asteriadou

Martin Spencer

Vikas Chaudhari

Gary Lategan

Sachin Waigaonkar

We thank our speakers who travelled all the way from different parts of the world to share their experience and knowledge.

The 100 conference participants included 43 moulders, 45 Suppliers, 8 from Academia & 4 Professionals. 25 participants came from outside India.





Attendees at the conference

## PRESENTATIONS TOPICS AND SPEAKERS

### Creating Competitive Advantage through better materials

By: Martin Coles, Matrix Polymers, UK

### Unlimited multi-layer possibilities in rotational moulding

By: Geert Vaes, Total Petrochemicals and Refining, Belgium

### Special PE & PP composites with natural fillers - flame retardance & more

By: Marek Szostak, Poznan University, Poland

### Electrical underground junction boxes, a missed opportunity

By: Celal Beysel – Floteks, Turkey

### Case study on new products with new special materials

By: Gary Lategan, Rotosolutions, South Africa

### Shop floor metrics + Solar power sustainability & energy savings

by Bill Spenceley Flexahopper Plastics - USA

Presented By : Martin Spencer



More details: [www.armo2019.com](http://www.armo2019.com)

StAR as a proactive affiliate of ARMO has always been well represented at ARMO conferences. With the next ARMO conference to be held at Sun City, South Africa from Sept 16 to 18 2019 premium StAR conference time was devoted to the promotion of the conference.

Crucially important feedback was collected from attendees of workshop and presentations. Shiveka Nand of Indian Oil Corporation won the exciting Google Dot prize in the lucky draw held for the feedback forms.

## ANNUAL GENERAL MEETING

The StAR Annual General Meeting (AGM) was held just before lunch on 25th Jan. A presentation on Fifteen Years of StAR by Ravi Mehra was part of the AGM. Financial results for the year and the new StAR Board and officers for year 2019 – 20 were announced. A significant new development was the inclusion of the Youth Brigade in the new StAR Board. The continuation on the Board of StAR's RM CER Operating Committee members was confirmation of the importance that StAR will continue to accord to the new centre. The decision to retain the experience and guidance of the retiring Board members as Senior Advisors was reassertion of the fact that those who contributed to the StAR success story would continue to stay relevant.

## TRADE SHOW

The trade show at StAR conferences has progressively become an area of great interest for attendees and a most important hub for networking. With all the tea / coffee and lunches being served within the trade show enclosure these transformed into a busy and buzzing area during all the breaks as also other times dedicated to the trade show.

The location and ambience of the trade show at this conference came in for special praise. It was absolutely contiguous to the main conference ballroom with the semi open waterfront providing very conducive and pleasant atmosphere to browse and talk business.

There were thirteen exhibitors. Seven Indian and six non Indian; all leading supplier companies with a variety of products on display making their well laid out booths attractive and colourful.

### Label free graphics for rotomoulding; flexibility & efficiency

By: Konstantia Asteriadou, Lysis Technologies, UK

### Relating Wall Thickness with Machinery and Process Control

By: Dhanu Patell, Reinhardt Machines, India

### DTH – direct tool heating, a world of possibilities

By: Martin Spencer, Unique Roto, UK

### Understanding Sandwich Foam Parts and Accelerated Creep Testing,

By: Sachin Waigaonkar, BITS Pilani – Goa Campus, India

### RM CER : Opportunity for Industry Academia Collaboration

By: Sunil Bhand, BITS Pilani – Goa Campus, India

### Super Linear polyethylene – a new level of balance

By: Peter Mackrell, Matrix Polymers, UK

### Metallocene polyethylene solutions for structural parts

By: Saugata Chaudhuri, Total Petrochemicals, India

### Polyethylene : Outlook and Opportunities

By: Jayakrishnan.Venugopalan, Reliance Industries, India

### Bs6 Emission Norms and Its Implications Vehicle Electrification in India,

By: Saravanan Muthiah, Advanced Technology – Mahindra, Chennai

### Automotive: Euro VI norms in India by 2020 & E-mobility

By: Celal Beysel – Floteks, Turkey

### Moulding for the automotive sector: Persico Industrial

By: Martin Spencer, UK

### Myths of rotational -moulding: “25 Vs 36 mesh” and “prime Vs recycle” ,

By: Ravi Kadivar, Greenage Industries, India

### Economics & advantages of ready to use quality powder vs pulverizing own

By: Gary Lategan, Rotosolutions, South Africa

### Design of Rotomoulded Products Based on Fracture Mechanics Approach,

By: Vikas Chaudhari, BITS Pilani – Goa Campus, India



U Savadekar  
StAR President

Umakant Savadekar of Phychem Technologies was elected as the new president of StAR. Officers and members of StAR Board : 2019-20

- **Ravi Kadivar**, Greenage Industries- Vice President
- **Mohit Shukla**, M Plast – Secretary
- **A Baheti**, Vectus Industries – Past President
- **Divya Raithatha**, Vinodrai Engg – Director
- **Prashant Trivedi**, Sintex BAPL - Director
- **Akshay Saini**, BD Industries – Director
- **Sanith Jacob**, Carries Pipes – Director
- **S. Dave**, Consta Cool - Director
- **SB Zaman**, Executive Director



2019 StAR Board & Senior Advisors





Matrix Polymers, UK

Total Petrochemicals, Belgium

Persico Group, Italy



NA Roto, Ahmedabad

ML Industries, Delhi

#### Exhibitors at StAR 2019 Trade Show

- Alok Masterbatches, New Delhi
- GreenAge Industries, Ahmedabad
- NA Roto Machines & Moulds, Ahmedabad
- SCG Chemicals Co., Thailand
- ML Industries, Delhi
- Arihant Plast Pulverizing Industries, Thane
- Lysis Technologies Ltd., UK
- Persico Group, Italy
- Total Petrochemicals & Refining, Belgium
- EEC – Egyptian European Company
- M Plast India Ltd., Noida
- Reinhardt Roto Machines, Ahmedabad
- Matrix Polymers, UK

## NETWORKING & ENTERTAINMENT AT SOCIAL EVENTS

The enjoyment and unique experience at social events at StAR conferences have been the talk year after year. Memorable cultural events and display of breathtaking skills have always enthralled audiences at these special evenings which have also offered great fare in food & wine. On 23rd evening the Networking Reception Dinner had for accompaniment soft traditional instrumental musicians playing out the right notes for the right ambience to network with friends & acquaintances new and old.

### OFFERED GREAT FARE IN FOOD & WINE

The Gala Dinner on 24th evening brought guests in traditional attire of Kerala – dhotis for the gents and kurtis for the ladies. While this ensured much colour and merriment on the beautiful waterfront environs it were the events on stage that had a mesmerizing effect on the guests.

## SUPPLIERS NETWORKING DINNER





## GALA DINNER



Keraleeyam brought out the sublime grace and ethereal beauty of classical dances popular in Kerala. The display of traditional martial arts took thrill, skill and excitement to a new level. The climactic fusion was a sight to behold ! Sponsors of the conference were recognized, thanked and awarded as also were some others who had contributed to the success of the conference.

### RM CER Review & Planning Meeting - 22<sup>nd</sup> Jan

Rotomoulding Centre for Education and Research (RM CER) has perhaps been the single most significant development at StAR in recent times. The JV with BITS – Pilani Goa one of India’s Institutions of Eminence has brought scientific base and research centre stage in the rotomoulding industry of India.

The importance being accorded to RM CER was evident in the presence of six senior faculty members from the institute at the Kochi conference. For the first time since creation of RM CER its full operating committee and most international advisors as well as industry council members met on Jan 22 before the conference got underway. Operational issues and long term objectives to manifest RM CER in the service of the industry.



RM CER meeting in progress

### StAR Board Meetings - 22<sup>nd</sup> & 25<sup>th</sup> Jan

The customary StAR Board meeting to review all conference preparations and ensure that the Short and Long Agendas are diligently implemented was held on 22<sup>nd</sup> Jan starting 12 noon. Responsibilities involving board members and execution schedules for the StAR and hotel organizing teams were fine tuned.

The post conference StAR Board meeting on 25<sup>th</sup> Jan was where the new board performed the all important task of electing the Officers for 2019 – 20.

Feedback on the just held conference was offered by all board members





StAR Board Meeting on 22<sup>nd</sup> Jan'19

StAR Board Meeting on 25<sup>th</sup> Jan'19

## Incoming StAR President's New Vision of Future StAR

The New StAR vision is to reach out to all rotational moulders along with the rest of the roto industry in each and every part / region of the country to sustain the same spirit which had brought all so many moulders and suppliers to StAR annual conference at Kochi , Kerala. Jan 23 - 25, 2019.

At the 15th Annual Conference of StAR, Workshops on Jan 23 were a new highlight of the programme. Interactive sessions throughout the day were very much appreciated by all, both Indian as well foreign attendees. The refreshing response to a new idea has encouraged us to think of a vision where in addition to what we have been doing so successfully at StAR for our members and the industry we shall do things which are new and more useful.

We needed to bring change around us and to ourselves. We welcome new members who have given a new look to the StAR board.

With introduction of new young and energetic Directors on the board we are looking forward to new energy which will ensure a year full of activities. Recently started webinars will ensure a high meeting activity level without having to travel as these will become a regular feature throughout the year. RMCER at BITS - Pilani Goa will be fully active to offer not only testing facilities but training modules as well for personnel of member companies.

Our continued focus will be to interact with, listen to, learn from all stake holders of industry. And help all members to be ready for the challenging future of modern rotational molding industry in the region.

**Umakant Savadekar**  
President, StAR

We must thank our sponsors without whose contribution organizing this conference was not possible.

## PRINCIPAL SPONSORS



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EEC Egyptian European Company



Greenage Industries, Ahmedabad

Alok Masterbatches, Delhi



Reinhardt Roto Machines, Vadodara

## FORTHCOMING EVENTS

### CALENDAR OF ROTOMOULDING & RELEVANT EVENTS

DATE	VENUE	EVENTS
March 25 - 27, 2019	Napa, California	ARM Executive Forum
May 16 - 17, 2019	Mantova at Villa Favorita	IT-RO Conference
May 21 - 24, 2019	Guangzhou, China	RPC-CPPIA Conference
June 6 - 7, 2019	Gdynia, Poland	V Konferencja Rotopol Conference 2019
June 23 - 25, 2019	Brisbane	Rotomould 2019
Sep 6 - 18, 2019		ARMA/ Roto Connect Rototour
Sep 16 - 18, 2019	Sun City, Johannesburg, South Africa	ARMO International Conference hosted by ARMSA
Oct 16 - 23, 2019	Germany	K - Show
Oct 27 - 30, 2019	Houston, USA	ARM Annual Conference

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Rototalk is the newsletter of Society of Asian Rotomoulders(StAR) for internal circulations only. Editorial Contributions can be sent to S.B. Zaman, Executive Director, StAR, Email: sbzamanp@gmail.com





# Same old horse!

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