

R&D Confluence 2022: 18-11-2022

held at Hotel Chancery, Bengaluru

It is with great pleasure we report that the recently held R&D Confluence 2022, organized under the industry-Institute coordination committee, was a resounding success. We acknowledge that this achievement was possible with interest shown by our industrial and institutional members.

The intent of the Confluence was to promote the research and development activities in the field of fluid power, which will in turn promote the growth of indigenous manufacture and march towards self sufficiency.

The Confluence was inaugurated by Dr. Subhash Chandra Sati, Distinguished Scientist and Ex Director General (NS&M) of DRDO. His address has reflected his core technical expertise in



Dr. S.C. Sati Lighting the Lamp, Welcome Address by President-Hemanth Kumar and Master of Ceremony: General Secretary- Mr. Naresh H.V.

R&D CONFLUENCE - 2022

LIST OF DISTINGUISHED SPEAKERS



Dr. Subhashchandra Sati -
Ex DRDO Chair



Dr. Rana Saha - Jadavpur
University



Dr. Ajit Kumar - IIT (ISM)
Dhanbad



Dr. B Mohan - Anna
University



Dr. Asokan T - IIT-Madras



Dr. Ramaswamy Vishnudas
- Bosch Rexroth



Mr. Biradar M.G - Wipro
Infrastructure
Engineering



Mr. Chandrashekhar S D -
Dynamatic Hydraulics



Mr. Kishor Jagirdar -
Founder, Vision
Karnataka Foundation

Electrohydraulic Drive Systems and Multidisciplinary Technology Management. He elaborated how Research & Development is and will be playing a greater role in defence applications.

The presentations from academia included the status papers from Prof. Rana Saha of Jadavpur University, Prof. Ajit Kumar of IIT Dhanbad, Prof. B. Mohan of Anna University and Prof. Asokan of IIT Chennai. All the papers were covering in details of their current areas of research.

Their presentations indicated that they are working in the frontier areas as required by the current and future demands of industry. But exposure to the manufacturing areas as well as support in the form of facilities and finance will pave the way for fast tracking larger projects, with more confidence. Even though funds are available from government grants, recent stipulation that at least 25 % of the project cost shall come from the industry, reiterates the need for increased

interactions between industry and the research institutes.

The presentations from the industry included the status papers from Dr Ramaswamy Vishnudas of Bosch Rexroth, Mr Biradar M.G. of Wipro Infrastructure Engineering and Mr. Chandrashekhar S.D of Dynamatic Hydraulics.

The industry presentations indicated their sustained efforts to address the problems faced and seek answers to the future growth of the technology. But to get faster results, they seek manpower from the research institutes, who can weave the necessary problem statements in their research projects. Thus, it will be a win- win situation for both academia and industry.

Mr. Kishor Jagirdar of Vision Karnataka Foundation spoke about the increasing impact of start ups in academic institutions, which over a period of incubation turn into interesting small industries. The gradual transformation of academic startups into industrial set up has to be properly managed by both academia and industry. This has grown manyfold in the past few years. With sufficient back up, this will turn our country to be in the lead of start ups.



1. A Section of Audience **2.** Standing L to R: Mr. H.V. Naresh (General Secretary), Dr. T. Asokan, Dr. Rana Saha, Dr. Ajit Kumar, Dr. S.C. Sati, Mr. Hemanth Kumar (President), Dr. Ramaswamy Vishnudas, Dr. S. Prasanna Kumar, Mr. Chandrashekhar S.D. , Mr. Kishore Jagirdar, Mr. Srinivas Guttikar(Ex-General Secretary) **3.** Dr. S. Prasanna Kumar delivering Concluding Remarks.

The Fluid Power Society of India will thus be being prepared for playing a greater role in bringing together industry and academia. The society has already FPSI chapters in three major cities and it will be extended to have more regional representation. Also, FPSI has student chapters in many colleges and sustained efforts will be made to increase the same. The industry-academia group already existing in FPSI council will be expanded to include more representatives and strive to forge a stronger bond.

Mr. S. Hemanth Kumar - President, delivered the welcome address and Mr. H.V. Naresh - General Secretary, compered the whole proceedings. The Confluence was attended by more than 50 audience drawn from the design, application engineering and R&D personnel of industries and academia and research scholars for reputed institutes. In his concluding remarks, Dr. S. Prasanna Kumar - Advisor appreciated the technological advancements in R&D presented by Industry & Academia and stressed the need for more of such meaningful interactions between them in future for further growth of Fluid Power Industry.