

Brief Report of National Seminar and Workshop on Analysis and Simulation for Engineering Applications ASEA-2014 April 4-5, 2014

Computer Society of India Udaipur Chapter, Division IV, SIG-WNs, The Institution of Engineers (India) Udaipur Local Center, Sunrise Group of Institutions, Udaipur, Rajasthan organized the National **Seminar and Workshop on Analysis and Simulation for Engineering Applications (ASEA-2014)**. The seminar will focused on Emerging tools and techniques for simulations in different aspects of software, engineering and its applications. This two day Seminar covered Emerging Platforms for Simulations, Application of Engineering Equation Solver [EES] for Simulation of Energy Systems, Network Simulators, Matlab, Open Simulations Software and Role of the simulations in Industry.



The Chief Guest of Inaugural Session **Dr Rajveer Shekhawat**, Regional Student Coordinator, Region III CSI and Technical Consultant Secure Meters, Udaipur, Gujarat inaugurated the National Seminar by lighting the lamps along with other dignitaries present on the occasion. Dr Shekhawat congratulated the Organizers for selecting such a relevant topic for deliberation in the national Seminar. Further, he discussed in length about Advancements in simulations during last two decades. Dr Shekhawat also shared his own experiences on the simulations that an Effective Model Analysis has to be done before implementation. Dr. Shekhawat asked the participants to actively involve themselves in the Research of Simulation Techniques. **Dr. Mukesh Sharma**, Guest of Honour of the session and Sr. Scientific Officer, State Forensic Science University, Jaipur congratulated the organizers for taking an excellent topic for the seminar and asked to increase these kind of activities. **Prof. Surendra S. Kachhwaha**, Special Guest of the session and Dean, Faculty of Engineering & Technology, Pandit Deendayal Petroleum University, Gandhinagar and added new dimensions to the workshop and suggested to take a single aspect to simulate the engineering Applications. **Mr. Manish Godha**, CEO Advayia Solutions and Keynote Speaker spoke about the changing trends in Engineering and compared simulating engineering applications with analyzing the accountability problems. **Dr. Dharm Singh**, Convener SIG-WNs CSI & General Chair of the seminar

addressed about the changing prospective in Network Simulations, **Dr. B R Ranwah**, Vice Chairman CSI Udaipur Chapter congratulated the organizers to take such a relevant topic and stressed on increased of such activities, **Er. A S Choondawat**, talked about the key aeras of Simulation Techniques and its need. **Dr. Manuj Joshi**, Organising Chair welcomed the guests and gave the opening remarks for the National Seminar. **Mr. Gaznfer Ali**, Principal, Sunrise Faculty of Engineering shared his views on the topic and activities going on in Sunrise Group of institutions. **Mr. Amit Joshi**, Organising Secretary expressed his heartfelt thanks to the dignitaries and all the participants for acitively participating in the National Seminar and talked about key areas to be discussed during workshop. **Mr. Himanshu Jain**, Director Sunrise Group of Institutions proposed the Vote of Thanks.



The Two Day Seminar focused on various key areas in Simulation techniques. About 120 participants from Rajasthan and Gujarat participated in the seminar. A total of 35 papers were presented in two days including the student presentation sessions and 6 invited talks. On Day 1 of the seminar, two Invited talks were presented followed by one technical Session in which **Dr. Tarun Shrimali**, Director Career Point University and **Dr. Mukesh Sharma**, Sr. Scientific Officer, State Forensic Science University, Jaipur were the session chairs. The invited talks wre presented by **Prof. Surendra S. Kachhwaha**, Dean, Faculty of Engineering & Technology, Pandit Deendayal Petroleum University, Gandhinagar on the topic Application of Engineering Equation Solver [EES] for Simulation of Energy Systems and **Dr Mukesh Sharma** on the topic Applications of Foresensic Science. On the second the technical session was chaired by **Dr. Bharat Singh Deora**, Vidhyapeeth University, Udaipur & **Prof. S K Sharma**, Director Pacific Institute of Engineering, Udaipur in parallel with the invited talks presented by **Mr. Gaurav Mantri** Founder and Head of Technology, Cynapta, Udaipur on Getting started with Software Industry, **Dr. Harshal Arolkar**, Immd. Past Chairman, CSI Ahmedabad Chapter on the theme Network Simulations, **Mr. Nisarg Pathak**, Asst. Professor, KSV, Kadi Gujarat on the topic of Network Simulations and **Dr. Nilesh Modi** on Cyber Security aspects for Engineering Applications.



In the valedictory Session of the National Seminar held on 5.4.2014 **Prof. RK Aeron**, Patron (Engineering Education) Pacific University was the Chief Guest and he congratulated the organizers for selecting a very contemporary theme for the seminar. Prof. Aeron also discussed that upcoming technology and motivated the participants to choose one direction to simulate their career path. **Dr Harshal Arolkar**, Immd. Past Chairman, CSI Ahmedabad Chapter and Guest of Honour of the session discussed about the difference between data, information and Knowledge. **Dr. Nilesh Modi** Guest-of-Honour of the session and Chairman CSI Ahmedabad Chapter discussed about the Role of CSI and its activities. **Dr. Dharm Singh**, Convener SIG-WNs CSI and General Chair addressed about the Role of SIG-WNs in Society and appreciated the efforts of organizers. **Mr. Amit Joshi**, Organising Secretary presented two days detailed technical session reports and the recommendations of the Seminar. **Dr. Manuj Joshi**, Organising Chair welcomed the dignitaries, guests and Participants. **Mr. Himanshu Jain**, Director, Sunrise Group of Institutions proposed the vote of thanks.



The following recommendations have been emerged out after deliberations in the Seminar.

1. Simulations should only be implement only after an efficient Model Analysis.
2. Users prospective has to be considered for carrying out simulations.
3. In House experiments on engineering applications needs to be sponsored by sponsoring agency.
4. More of such activities has to be carried out to improve the standard of Research and Simulations for Engineering Applications.

Mr. Amit Joshi
Organising Secretary