



Newsletter

The Institution of Engineers (India)

U.P. State Centre, Lucknow

"94 Years of Relentless Journey Towards Engineering Advancement for Nation Building"

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From Chairman's Desk



Dear Fellow Engineers,

As already informed through last Newsletter, the election process is on for the State Centre Committee. The Board of Scrutineers (BOS) under the Convener-ship of Er Rajendra Prasad is burning mid night oil & doing excellent job for conducting free & fair election as per rules. Soon you will be receiving log-in ID and password for voting online if your mobile phone number/e-mail address is available with IEI. If not, then you will be receiving paper ballot along with bio-data of the candidates which will also be available on election site. Bio-data has also been published in this Newsletter. All of you are requested to exercise your voting right on merit with utmost care after studying the bio-data of the candidates because you will be handing over the affairs of the IEI, UP State Centre to this new Committee for the next two years.

The renovation of Auditorium is almost complete which includes new false roofing, new wall paneling, vitrified tile flooring and air-conditioning.

On the technical front we remained active as usual. The period started with Workshop on 'How to Safeguard Professionals from Litigations' on July 06, 2014. The activity was very well attended. Thanks to Er AL Kalra, Convener. This was followed by a Round Table Conference on 'Union Budget 2014' on July 11, 2014 in which members took active part and was a successful event. All India Seminar on 'Academia, Institution and Industry' was successfully organized on July 26-27, 2014. Dr A P Singh, Convener deserves appreciation for his efforts. A Lecture Meeting was organized on August 08, 2014 on 'Spotting the Origin of Life & Intelligence in the Universe' by Dr. Neeraj Chaube from KNIT, Sultanpur which was very well attended. 68th Independence Day was celebrated with joy & fervor on August 15, 2014. A Lecture Meeting on 'Leadership Qualities as Envisaged in Srimadbhagwat Gita' was organized on August 29, 2014. Er P N Srivastava was the speaker. The Meeting was very well attended & very much appreciated.

We can assure that pace of activities will be maintained in coming months too with your increased participation.

With greetings for Vijaya Dashmi and Id-ul-Zuha.

V. B. Singh, FIE
Chairman

Forthcoming Events at IEI, U.P. State Centre

S.N.	Date	Event	Convener
01.	Oct. 06, 2014	World Habitat Day	Er. M K Goel
02.	Oct. 11-12, 2014	Heritage to Modern Building Structures: Appreciating Sustainable Architectural	Ar S B Bhargava
03.	Oct. 14, 2014	World Standard Day	-
04.	Oct. 26, 2014 (6.30 p.m.)	Deepawali Milan	-
05.	Nov 07, 2014	Seminar on 'Fire Safety'	-

Report on All India Seminar on 'Academia, Institution and Industry'

The Institution of Engineers (India), UP State Centre organised an All India Seminar on 'Academia, Institution and Industry' on July 26-27, 2014. The Seminar was inaugurated by Hon'ble Minister of Energy, UP Govt. Mr Yassar Shah by lighting the lamp. Speaking on the occasion Mr. Shah called for bridging the existing gap between industry and academia and preparing a roadmap for their close collaboration. In his address, he profusely thanked all participants from academia, industry and institution for their valuable contribution to the society.



Seated (L-R) Mr JS Mishra, Mr CV Singh, Mr Yassar Shah and Mr VB Singh

Guest of Honour Mr. CV Singh, former Vice President, Tata Motors stressed upon the need of support programmes for industry-academia relationship, as the academia might not always be exposed to the key market trends. Mr. Vivek Shukla, Executive Director of Smile Parks Industries said that continuing research, education and core competencies of high end institutions be utilized by industry as a natural collaboration between the two. He further added that this form of relationship was beneficial for both the institution and industry. Other notable speakers on the occasion included Mr. Aditya Vidhya Sagar, Technical Consultant, Mr. Anand Pandey from BHEL and Dr. Usha Bajpai, Deptt. of Physics, Lucknow University. A panel discussion was also held by experts which discussed in details the ways of promoting better collaboration between Industry, Institution and Academia. Experts also responded to numerous queries from the participants on various subjects including the quality of research, promotion of entrepreneurship, creation of employment etc.

Earlier Mr VB Singh, Chairman, The Institution of Engineers (India), UP State Centre while welcoming the guests said that the Academia, Industry and the Institution together form such a family that no individual member can thrive without the other two. The Institution of Engineers (India) works as a bridge between academia and industry. Er. JS Mishra, Hony. Secretary thanked all guests, speakers, panelists and participants for their active involvement. Dr. AP Singh, Convener of the Seminar expressed gratitude to the august gathering for making the event successful.

Report on Workshop on 'How to Safeguard Professionals from Litigations'

The Institution of Engineers (India), UP State Centre jointly with Institution of Valuers, Lucknow Branch organised a Workshop on 'How to Safeguard Professionals from Litigations' on July 06, 2014 at Lucknow. The Workshop was started with lighting of lamp. Mr. VB Singh, Chairman, the Institution of Engineers, U.P. State Centre speaking on the occasion asked the engineers to clearly define specifications of the work and commercial terms & conditions so that disputes do not arise afterwards. He further said that about 1.3 million cases of disputes are pending with arbitrators or courts. Normally courts take 3 to 10 years time to decide the case. The valuable time of engineers which ought to be spent for monitoring quality and speed of the work is wasted in pursuing such cases.



A Section of Audience

In the Technical Session first paper was presented by Col. (Retd) SR Prasad, in which he described different Acts for the information of the audience. He also mentioned names of different revenue personnel with the help of whom one can locate the plots defined by Khasara Numbers. He enumerated the precautions to be taken in locating the open plot of land for valuation. Second paper was presented by Mr. Khazan Chandra, Chairman, IOV, Lucknow Branch in which he described the ways to safeguard the professionals doing valuation of a wrong property. He also suggested that the boundaries of plot valued must be very exhaustive. The valuer must visit the site, take measurements, do the local enquiry regarding the genuineness of the plot. He further suggested that the valuer must also take the measurements of the construction of each floor and note down the specifications. It will deter the fraud borrowers upto some extent. Mr. M. K. Goel in his presentation explained the problem by giving some examples of N.P.A. cases. He was of the view that the valuer must do the valuation properly by following the rules. Even if the case becomes N.P.A., he should defend the matter strongly. Mr. AL Kalra in his article discussed the different aspects of the contract and suggested that violations of contracts must be avoided, so that the litigation is prevented. He was of the view that the valuer may choose to adopt the most suitable method of valuation based on his intelligence and experience. Mr. AN Dubey, Secretary, IOV, Lucknow in his paper discussed mainly the difficulties faced by the valuers. He also suggested that while doing the registration of plots defined by Khasara Numbers, one Shajra plan including at least one permanent benchmark in it, must be included in the registry. Similarly Banks while loaning on plots defined by Shajra numbers must also ask to submit a Shajra plan as discussed above.

An open house discussion was also conducted in the end, in which many members took part. Mr AL Kalra was the Convener of the Workshop which was attended by a large number of engineers. At last Mr JS Mishra, Hony. Secretary proposed vote of thanks.

Report on Round Table Discussion on 'Union Budget 2014'

The Institution of Engineers (India), UP State Centre organized a Round Table Discussion on 'Union Budget 2014' on the next day of presentation of Budget i.e. 11th July, 2014. Chief Guest Mr. S.K. Agarwal, Director (Finance), U.P. Power Corporation Ltd., speaking on the occasion elaborated salient features of the Union Budget. He explained that the central theme of the Budget is "Minimum Government & Maximum Governance" with emphasis on the betterment of women, children, minorities, backward classes and disabled persons. He said that most important need of creation of opportunities for youths have been properly addressed through development of the skills, education, health, rural manufacturing infrastructure and affordable housing and expansion of banking services to cover all household. On the capital market side Mr. S.K. Agarwal said that initiatives like ADR, GDR regime, uniform KYC norms have been aptly covered. FDI for defence has been raised to 49% and for railway infrastructure 100%. Tax holiday for power sector companies have been extended for further 10 years. According to the Finance Minister attempt will be made to bring black money in to the country for the development. Budget proposes to contain fiscal deficit to 3% from existing 4.5%. He also proposed anti tax evasion measure. The Finance Minister has provided Rs. 100 lacs each for 28 new schemes which Govt. proposes to take up in future. It is a major roadmap for future. Another feature of the Budget highlighted by Mr. Agarwal was introduction of negative list for tax on services meaning thereby that all services are now covered excepting those in negative list. Finance Minister has promised to introduce GST at the earliest. But he increased dividend distribution tax from 17 to 20%, numbers of reliefs have been proposed for MSMEs.



Chief Guest Mr S K Agarwal lighting the lamp

CA B.B. Jindal, Energy Regulatory and Management Consultant, while presenting his views covered three major parts of the Budget and Tax Administration in general. Firstly, he explained source wise percentage of receipts and payments under different heads which include borrowing, non tax revenues, income tax, corporate tax. The share of service tax has now exceeded the income tax as well as customs and excise. On the expenditure side the allocation for State and Central plans, repayments and interest was also highlighted. On the lighter side Mr. Jindal highlighted the overall picture of tax burden on common citizen in these words "If you earn, pay income tax & service tax, if you spend, pay expenditure tax, if you accumulate, pay wealth tax and on death, death duty could become payable". He concluded by quoting Vidur (of Mahabharat) which is

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Report on Lecture on 'Spotting the Origin of Life and Intelligence in the Universe'

The Institution of Engineers (India), UP State Centre organized a Lecture on '**SPOTTING THE ORIGIN OF LIFE AND INTELLIGENCE IN THE UNIVERSE**' on August 08, 2014. The Guest Speaker Dr. Neeraj Chaubey from KNIT, Sultanpur, presently Principal Investigator, Deptt. of Science & Technology, GOI Project said we find in our peculiar home, the Planet Earth, a very large number of living beings around us. A natural question clicks in our mind about the origin of this strange paraphernalia around us. A most classical view, as also in the theories of evolution known in Life Sciences so far, including Darwinism, is that the life was originated on earth itself. The same is being gradually updated and advanced in conformity with the instantaneous circumstances from time to time, which has come up to the present position. But most startling and spectacular finding



Guest Speaker Dr Neeraj Chaubey lighting the lamp

which has recently and instantaneously come up through the advanced explorations in Astronomy and Space Technology is that the Life was originated very far away from earth in the intergalactic space in the dark matter. A strange fact is that the traces of life are lying in simplest re-organization of certain inorganic forms alongwith the carbeaneous compounds whereby it remains in dormant stage as prebiotic molecules. Such prebiotic molecules, being at the threshold position of the tendency to create Life are chiefly in the intergalactic space, also seem to be present in a specified region of the Orion Nebula. These stick to the high gravity part of comets which regularly visit our Milky Way galaxy and some of them come close to Sun Comets are the carriers of Life to us. Prof. Fred Hoyle, N.C. Wikramasinghe and others have revealed that the prebiotic molecules, the dormant life forms, so scattered in solar system due to regular visits of comets, and get congenial situations on earth-like places wherein the gravity plays a gallant role. Gravitational Constant, now believed to change its value with the ageing universe, plays key-role to spot such locations. Due to certain congenial situations on earth, they infect the earth and after certain stages, come in the life-form. It is also now not to be believed as such that DNA and RNA are abstracts of Life. Life may also be present in some other forms which may be matter of present day investigations. Features to it, alongwith possible sites, have been exhibited so that interest is created in researches in this new science known as Exobiology. The most remarkable feature highlighted by him is that the index of civilization is technological development. In Space Technology we need our intelligence to be in the best possible fit with the communication impulses which are delimited to neurons in our receptor biological system. But it is not possible with our routine

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Report on Lecture on 'Leadership Qualities as envisaged in Srimadbhagwatgita'

The Institution of Engineers (India), UP State Centre organized a Lecture on '**Leadership Qualities as envisaged in Srimadbhagwatgita**' on August 29, 2014. The learned Speaker Mr. Prabhu Narayan Srivastava, Retd. Chief Engineer, UP Power Corporation Ltd. while speaking on subject said that the human civilization is passing through a transition period for which philosophy of Srimadbhagwatgita can work like a lighthouse. It has a unique power of providing leadership to the society. Presently the multi-national companies of USA, Europe etc are making use of preaching of Gita to enhance their leadership qualities. The Management Guru late C K Prahalad and Charandas etc. have outshined their managerial qualities by using the knowledge of Gita. According to Gita Shloka 'परस्परम भावयन्तः श्रेयः परमाप्त्यर्थ', we can prosper with mutual cooperation. A poor person can also contribute in economical development of the nation. Even a poor *panwala* while doing his own job, also takes up the job of recharging mobile phones & as such contributes to nation's economy while earning his bread. 18 chapters of Gita are full of *Shlokas* filled with power of providing immense energy. Today there is need of interpreting meaning of its *Shlokas* according to the changing times. Physical progress is must



A scene of dias

but it can be sustainable only when its base is inclusive of not only rich and poor but all parts of universe such as earth, air, water, sun and moon etc. While welcoming the guests Mr V B Singh, Chairman, The Institution of Engineers (India), UP State Centre said that often people take Gita as a religion book though Gita tells us about art of life to combat difficulties faced in daily life. It exhorts us to fight against injustice instead of surrendering. Understanding the importance of Gita, the Moghul King Akbar got it translated in Farsi by Abul Fazal. In the year 1785 the then Governor General of India Warren Hastings got the Gita translated in English by Charles Vilkins and after reading, said that the tips of Gita can take any country to the highest level of success. Gandhi ji also said that when I get depressed and do not see any ray of light, I go in the shelter of Gita from where I get solution to my problem. Mr Singh further said that it is very unfortunate that in our own country we are not following the policies of Gita. In the end Mr J S Mishra, Hony. Secretary moved vote of thanks.

Report on Seminar on 'Low Cost Affordable Housing'

The Institution of Engineers (India), UP State Centre in association with Institution of Valuers, Lucknow Branch organized a one-day Seminar on '**Low Cost Affordable Housing**' on August 24, 2014. The Chief Guest was Mr. D. S. Bhui, Former Chief Architect, UP Rajkiya Nirman Nigam Ltd. who inaugurated the Seminar by lighting the lamp. Speaking on the occasion Mr Bhui said that the cost of the house must be affordable to the user. The house should have all facilities like clean potable water, drainage, proper sewerage, roads, footpaths, street light etc. To keep the cost of land low, no compromise should be done with services, rather the layout should be such provided to reduce the cost. Necessary changes be made in the byelaws allowing better density to make the house affordable but not at the cost of quality. Mr VB Singh, Chairman, The Institution of Engineers (India), UP State Centre said that there are 3 basic needs for human being—Roti, Kapda & Makaan. Housing is one of them important for the survival of mankind. Ownership of a house also provides significant economic security and social status for a citizen in the society. But in our country around 1/3 of the population is deprived of adequate housing facilities. Out of estimated 240 million



Chief Guest lighting the lamp

families in India about 70 million families do not have proper housing facilities for want of financial resources. At the beginning of 12th five year plan in 2012, there was shortage of 18.8 million houses in urban area of our country. Significantly 96% shortage pertained to Economically Weaker Section. On one hand there is this huge shortage of houses, on the other we do not have requisite funds. So the solution lies in prudently utilizing the available resources and construct maximum number of houses without sacrificing strength, facilities and useful life of the structure. This can be achieved by adopting various cost effective measures. In Technical Session, 8 papers were presented. A Technical Volume containing all the papers was also released on the occasion. Prof. Subodh Shankar from Amity University said that the land should be suitable for the housing purpose, the construction should have simple geometric plan, the site should be properly connected to the city and should have proper infrastructure. Mr. K. K. Asthana, Chief Architect, UP Rajkiya Nirman Nigam Ltd expressed need to formulate policies by the Govt. to encourage greater participation from the private sector in the form of technological solutions, project financing and project delivery. The houses constructed under various schemes by the Govt. are located at remote places, with poor planning, poor services and cheaper specifications rendering houses unusable after some time. Mr Khazan Chandra, Chairman, Institution of Valuers, Lucknow Branch in his paper stressed for increasing Floor Area Ratio to 2.5 on Delhi pattern so that more houses are constructed on the same land

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Report on 68th Independence Day Celebration



Members present on the occasion of Independence Day

On August 15, 2014, 68th Independence Day was celebrated at IEI, UP State Centre. The celebration started with hoisting of National Flag on Engineers' Bhawan by Mr VB Singh, Chairman followed by National Anthem. In his address Mr V B Singh laid stress on the importance of freedom and role and responsibilities of engineers for the nation building. He also spoke about the various activities & mission of the Institution. Mr R P Katiyar, Mr C P Mahalwala, Mr A J Ansari, Mr J M L Jaiswal also addressed the gathering. Mr Tribhuwan Singh recited poems on the occasion. Mr J S Mishra, Hony. Secretary proposed vote of thanks.

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in view of increasing land cost. The cost of affordable house should be between 48 to 60 times the monthly income of the family. Sale of roof terrace should be allowed so that more houses are constructed. Mr M. K. Goel explained the provisions and schemes launched by the Govt. for the housing in the country. He explained the measures taken in this regard and suggested the future planning. Mr A L Kalra said that the monthly carrying cost of a home should not exceed 30–35 % of household income. He also submitted that the cost of house for majority of low income group should be between 6 and 12 lacs only. Mr A. N. Dubey suggested some ways to reduce the cost of the house such as depth of foundation may be reduced, foundations can be made by arches in brick work, soil cement block can be used for masonry, use of steel members for door and window frames, use of local & energy efficient materials, constructing multi-storied building to save land cost. Col S R Prasad also suggested various measures to reduce the construction cost. The Seminar ended with vote of thanks by Mr J S Mishra, Hony. Secretary. The recommendations that emerged included : *The cost should be affordable to the user between 48 times to 60 times the monthly income of the family. The house should have all facilities like clean potable water, drainage, roads, footpaths & street light etc. To keep the cost of houses low, no compromise should be done with services. Necessary changes be made in the byelaws allowing better density to create more space for the houses by increasing FAR. The specifications of houses should not be inferior. The job opportunities should be created in small towns, so that pressure of population on big cities can be reduced. Sale of the roof terrace of individual houses should be allowed. Private developers should be encouraged to construct more number of dwelling units.*

BIO-DATA of the Candidates from different Divisions for election to UPSC

ELECTRICAL DIVISION (EL)

Arun Kumar

Worked as graduate trainee Hydro Electric Planning Directorate Delhi under Central Water Power Commission Delhi for techno economic feasibility of hydro electric projects w.e.f. November'70 to August'71. Joined UP Electricity Board as Asst. Engineer trainee in September'71 and worked in thermal, hydro and distribution wing as assistant/executive/superintending/chief engineer. After serving for more than 38 years in UP State Electricity Board/ U.P. Power Corporation Limited and U.P. Jal Vidyut Nigam Ltd retired from the department on 30/06/2009. Also worked with Hyundai Engg. and Const. Co. Ltd. at Iraq from Sept'82 to Sept'83.

O. P. Gupta

Awarded B.Sc. (Electrical Engg.) in 1972. More than 42 years of experience at various levels in transmission, distribution and utilization of electricity both in private and government sectors including deputation to NOIDA Authority. Retd. in April 2011, as Chief Engineer (Electrical) of New Delhi Municipal Council and now working as Member (Technical) in Public Grievances Cell, Department of Power, Govt. of Delhi. Executive Committee Member of Indian Society of Lighting Engineers. Have been two times Honorary Secretary and one time Vice President of Noida Management Association. Veteran Broadcaster on All India Radio.

Alok Kumar Gupta

MBA (University of East Georgia, USA). Topper Board of Technical Education, Delhi in 1973 joined u-PVC Extrusion Plants. Passed Section A & B exam, Chief Engineer – Birla's Woollen Carpet Plant. Engaged in Business since 1984 machinery manufacture – Hydrogen Gas-Generation, Pollution control, oil refineries, vanaspati, chemical plants etc. import/exports CT/PT-Instrument Transformers, set up Ideal Institute of Technology & Sun-Valley International School Ghaziabad. Convener BOS 2010, Member Ghaziabad LCC 2012-14. Believe in accepting challenges & solving problems logically. Wish to enhance Engineers' participation in activities and transparency in Institution's working.

Ajit Kumar Asthana

B.Sc. Gorakhpur University (1967) and B.E. (Electrical) from Roorkee University (1971). Joined U. P. State Electricity Board in the year 1972 at Panki Thermal Power Project. After serving in various capacities was elevated to the post of Chief General Manager (Chief Engineer) and ret'd. from Parichha Thermal Power Project in the year 2008. Having served throughout in Thermal Power Projects like Panki, Anpara and Parichha had gained valuable knowledge and experience in Design, Construction, Operation & Maintenance of thermal units from 32 to 500MW and that of 400/220/132KV switch yard.

R. R. Tanwar

Graduate from IE (India) in 1982, besides this did PG Diploma in MM, DPOM, ADBM & MBA from IMT, Ghaziabad. Corporate Member for more than 30 years and Fellow Member last 15 Years. Executive Committee Member of GLC from 1998-2000, Hony. Joint Secretary from 2002-2004 and Hony. Secretary from 2006-2008. Being Chairman and Council Member, 2010-2012, was member of Electrical Division (ELDB), member Bye-Law and Regulation of Council, Member Regional Coordination Committee. Was also appointed by IEI-HQ as expert member to the Committee for Selection of Young Engineer Award for the year 2011 & 2012. Was also member of Advisory Council for Centre for Climate Change, ESCI, Hyderabad. Successfully organized AIS on "CO-GENERATION

OF POWER IN SUGAR INDUSTRY" supported by BSNL, NEEPCO, NHPC, REC & PGCIL on 16th & 17th June 2012, and Silver Jubilee Celebration of GLC on 17th June, 2012.

Sukamal Chand Jain

B.Sc. (Engg.) Electrical – 1970. Joined UPSEB (now U.P. Power Corporation) as Assistant Engineer and worked on different posts in Distribution/ Transmission. Retired as Chief Engineer in 2009. Worked as In House Management Consultant for 3 years in association with UNDP/ILO Planning Commission and MDI Gurgaon. After retirement worked as Executive Director in U.P. Power Corp. Ltd with over 40 years of experience in Power Sector. Chairman Institution of Engineers (India) U. P. State Centre during 2010-2012. In State Executive for the last six years. Opened 3 new Local Centres, Meerut/ Agra/ Bareilly. Organized various Seminars/ Meetings at State Centre. Founder Member of Ghaziabad Local Centre.

Ranvir Singh

Bachelor in Electrical Engineering from MNREC, Allahabad in 1966. Joined UPSEB and after assignments in Transmission and Distribution became Chief Engineer. Served as Secretary UPSEB for two years. Appointed Member (Generation) of the organization in 1998 and after restructuring of UPSEB appointed as Chairman and MD of the Generation Corporation w.e.f. 14/01/2000 till 20/06/2002. Received a number of national awards for outstanding achievements in the field of generation of power. As Chairman of U.P. State Centre of IE(I) from 2002 to 2004, successfully organized the Eighteenth Engineering Congress in Lucknow and received Best State Centre award in December 2004.

MINING DIVISION (MN)

D.P. Singh

Graduated from B.H.U in 1960 and obtained M.Eng. Sc and Ph.D from the University of Melbourne in 1968 and 1971. Joined B.H.U as a faculty in 1962. He was Professor and Head of the Department of Mining Engineering, also the Coordinator of the Centre of Advanced Study in Rock Mechanics and Ground Control. Was Vice-Chancellor of APS University Rewa, University of Lucknow and UPRT Open University Allahabad. Visited a number of countries. Director Uranium Corporation of India; Chairperson, Research Council, CIMFR (Dhanbad): Co-Chairperson, Research Recruitment and Assessment Board (CSIR): Member Board of Governors of ITT, Kanpur; IIT, Roorkee; Chairman the I.E.I Varanasi Local Centre. Recipient of National Mineral Award from the G.O.I. At present Life Time Distinguished Professor at the Department of Mining Engineering, ITT (BHU).

R N Bhargava

BE Mining, FCC, PGDBM-XLRI & Full Member of IEMA, UK, RQP. Executive Officer Tata Steel: Chief Executive/MD/Consultant in Mineral based Industries in Private, Joint & Govt. Sector. Founder CMD of Ecomen Laboratories Pvt. Ltd. (Environmental Consultancy, Laboratory, Mining Plan), accredited by NABL, NABET (QCI), OHSAS & Gazette notified by Ministry of Environment & Forest (MoEF). As Planning Officer in TATAs Mines Division, involved in planning first slime pond for Noamundi Beneficiation Plant. Conducted environmental audit for MoEF, Govt. of India, of the oldest & biggest mine; Small Mines cluster in Aravelli hills. Paper on 'Noamundi Long Range Programme & Mine Planning', awarded MGMI Silver Medal in July 1969. Writing a Book on 'Environment & Ecology—A Global Perspective' for Students.

COMPUTER DIVISION (CP)

Versha Bansal

Passed B.Tech in Computer Science from Institute of Engineering and Technology Lucknow in 1992. Completed M.Tech in Computer

Science in 2010 and pursuing Ph.D since 2010. Teaching B.Tech and M.Tech students for the last 13 years in JSS Noida and IP College.

Apoorva Agha,

Qualification - ME/MBA/FIE/FIETE/SMCSI/MIMA.

Ex.Chairman IEI-UPSC-Lucknow/

IETE-Allahabad/CSI-Mumbai-Allahabad. Serving Incharge Computer Centre, Allahabad High Court, managing techno-administrative works relating to computerization and video conferencing of High Court, Allahabad, Lucknow and 75 District Courts of UP. Organized numerous National Seminars, Workshops, Special Days and other Programmes over last three decades as Hony. Secretary/ Convener/ Chairman in above Institutions.

CHEMICAL ENGINEERING DIVISION (CH)

Vishal Bansal

I passed B.E. in Chemical Engineering in 1990 from Roorkee University. I worked for a brief period with Swarup Chemicals, Lucknow. Presently I am posted as Principal Director of Audit, North Western Railway under the Comptroller and Auditor General of India. My mobile no. is 09001195150.

Mohammad Kamil

Presently working as Professor, Department of Petroleum Studies, AMU Aligarh and Hony. Secretary of the IEI, ALC. PhD from the A.M.U. Aligarh and was a faculty member in the Department of Chemical Engineering. His research mainly focuses on the area of boiling heat transfer, neural network modeling, polymer surfactant interactions, shear thickening fluids, petroleum processing. Delivered invited talks in many International and National conferences. He and his co-workers have published more than 100 research papers in International and National journals and conferences. He has been on the organizing committee for several Conferences.

Dr. S. K. Gupta

Working in Chemical Engineering Department HBTI Kanpur since last 16 yrs. Having more than 22 years' teaching/research/industrial experience. Done M.E. and Ph.D. from Roorkee, Winner of Gold Medal and Khosla award. Guided/Guiding more than Fifteen M.Tech' and Two Ph.Ds. Member of various associations i.e. IICHe, ISTE, IEI, Oil Tech. Asso. of India (OTAI), Indian Membrane Society (IMS), System Society of India (SSI), and also hold the various posts i.e. Hon. Secretary, Hon. Treasurer, Vice President etc. in the various associations. Presently, I am Chairman of IICHe Kanpur Regional Centre and Executive Member in IE(I), Lucknow State Centre representing Chemical Engg. division.

AGRICULTURAL ENGINEERING DIVISION (AG)

K.P. Tripathi

K.P. Tripathi B.Tech from Panthagar, M.Tech from IIT Kharagpur superannuated as Principal Scientist from CSWCRTI, Dehradun during 2013. He was Chairman IEI Utarakhand Centre, Chairman Agricultural Engineering Division Board, member CATE, SHMC, RCC, RDC during 2010-2011, Joint Honorary Secretary, IEIUKSC, Dehradun during 2008-2009.

Dr. SH Abbas

B.Tech and ME in Agriculture Engineering from AAI, Allahabad University and Ph.D. from MNNIT Allahabad. Has 16 years experience in Administration and Research. Presently working as a Nodal Officer (UP and UKT) in NTMIS, AICTE. Published more than 20 research papers in National and International Conferences and Journals. Organized 3 national Workshops, published four book chapter and no. of articles in Newspapers. He has received 8 No of

awards National and International level. He is editor of the six Workshop Proceedings and reports for National level.

TEXTILE ENGINEERING DIVISION (TX)

N C Mittal

After Post-Graduation in Textile Technology from University of Leeds, (U.K.), worked in Textile Mills of Mumbai & Kolkata, at CEO level. Associated with IEI U.P. State Centre for over 20 years, active & dedicated FIE member. Successfully served IEI, UP State Centre as Hon. Secretary for two terms (years 1988-90 & 1990-92). Chairman for the session 2000-2002 and currently SCC member, working with utmost sincerity, dedication & honesty, which is well known to you all. I would request you to please elect me as a physically fit, honest, sincere, dedicated & active member.

Chandra Bhushan Gupta

Retired as Professor – Textile Chemistry (2000) from Govt. Central Textile Instt. Kanpur. Experience of more than 50 years of Industry & Teaching. Presently associated with Industry, Tech. Institutions, University, Tech. Edu-Board, as member Selection Committee of State & Central Govt. and many social organizations, Ex-Chairman IE(I) – Kanpur Local Centre & UPSCC member Text. Div. IE(I). Active participation in institutional activities, given growth of membership, organized lectures & all India Seminar under the banner of Institution of Engineers (India).

ELECTRONIC & COMMUNICATION ENGINEERING DIVISION (ET)

N K Nishad

Working as manager in Hindustan Aeronautics Limited, Korwa, Amethi. Educational Qualifications include (E T Engg) Degree course AMIE & M. TECH (E T Engg) from KNIT Sultanpur. Planning & manufacturing parts of Jaguar & MIG aircrafts, worked on Gyro/ Accelerometer in coordination of DRDO of the missile project. Deputed for training to M/s SAGEM, France trained on Accelerometer, manufacturing & quality control techniques. Project guide to AMIE students. Cost free classes to AMIE & economically poor Engineering students and students from villages helping in their examinations and project-related problems.

Er. Khalil Ahmad Khan

He is an Electronic & Communication Engineer. Ph.D. from University of Roorkee, M. Tech in Instrumentation and Control Engineering, and B.Tech in Electrical Engineering from Aligarh Muslim University (AMU), Aligarh. After graduation, he qualified Indian Engineering Services in 1965 but opted academic profession. He served AMU for more than 38 years as faculty of Electronics Engineering including international assignments for 6 years. His research area mainly focused on Physical realization of Lumped Networks and Dynamical System. He has guided several students for their Ph.D. and M.Tech theses. He has contributed about 25 research articles in journals and conference proceedings.

MARINE ENGINEERING DIVISION (MR)

Daya Shankar Rai

D.M.E.T. Ist class Engineer (Motor) Certi No 95W-2598 Passed 1973., Had 30 years' experience as Chief Engineer. Worked for Bureau Veritas Retail outlet auditor to perform inspection carried out within Bureau Veritas mission in India since July 20th 2003 for 2 years. He is Chartered Engineer.

Raghu Nandan Sharma

Commissioned in Indian Navy (1970) after B.Sc. Engg (Mechanical) (Delhi College of Engineering). Underwent Marine Engineering courses - Royal Naval Engineering College, Plymouth. Participated in 1971 War (Engineering Officer of Anti Submarine Frigate). Vital

assignments include Chief Engineer of Missile Ships, Modernization of Naval Dockyard (Mumbai), Deputy Director Marine Engineering (Design), Base Commander Naval Engineering establishment INS Shivaji (Lonavla) and establishing Naval Base at Karwar (Project Seabird) (13 years). Awards- Herbert Lott (UK); three service commendations. Post retirement (2003) conducted Managerial Development and Project Management programme. Academically, MBA (Finance), M.Sc. (Ecology & Environment), PGDHRM, M. Phil; presently visiting faculty in Business School.

MECHANICAL ENGINEERING DIVISION (MC)

Bharat Raj Singh

Director, SMS, Lucknow had experience of 4-decades in industry, academics and social works. He is member of –ASME-USA, In-Tech-UK, JME-Korea, World Academics of Science & Technology and published over 75 international papers and written books on Analysis & Design of Air Engine, Friction Stir Welding, Global warming and Climate Change etc. His field of interests are Sustainable energy resource, zero pollution air engines, environment and industrial engineering. He is recipient of many awards by CEE New Delhi such as—Scientist Award (1965), Best officer award (1981), Life Achievement award (2012) and Best Director (2014). Air-O-Bike featured in the Limka Book of Records-2014.

Krishan Behari Agarwal

Joined WIMCO in 1968 after graduating in 1967 from NIT Nagpur. Later he joined Indian Turpentine and Rosin Company Limited, Bareilly as manager (1984) and rose to GM (2002-05). Presently he is consultant, wealth tax valuer (FIV), chartered engineer, competent person (explosive). He has travelled 30 countries and written many articles. He has been Director Bareilly Corporation Bank, president Rotary Club, member, expert panel PHD Chamber of Commerce, board member SRMS college of engineering. He is visiting professor IGNOU for MBA and life member IIA & RMA, Astt. Governor Rotary International.

Madhu Chandra Jain

He is alumni of University of Roorkee, 1972 batch. Joined irrigation department U.P as AE and rose to Engineer in Chief (Mech). He has 38 years of experience in the field of design, construction and maintenance of State tubewells, major, medium and small lift canals, procurement of equipments. He did one year diploma in public administration (DPA) and has attended many management courses at IIM Lucknow and at various other institutions. He is of literary taste, written many poetries in Illustrative Weekly of India, Sarita, Mukta, National Herald and broadcast by All India Radio. He is Fellow of IEI and IWRS.

Prabhat Kiran Chaurasia

Did BE (Mech) 1969, ME(Production) 1972 from MNNIT Allahabad, Joined ISRO for a year and later joined Irrigation department, Uttar Pradesh. He contributed in construction of Ramganga dam as AME in maintenance and operation of heavy earth moving machines, construction and operation of State tubewells, design, construction and maintenance of Lift Pump canals of UPID and retired as Executive Engineer after 35 years service in 2007. He has keen interest in management studies, did one month diploma from IIM, Lucknow and has attended many such courses at IMDUP and at various institutions. He has interest in social and literary fields.

Pramod Kumar Gupta

Graduate from MMM Engineering College, Gorakhpur in 1971, served UP Irrigation department in various capacities from 1973 and retired as superintending engineer in 2008. He has been closely associated with State Centre of IEI. As Member of BOS and later

Convenor (BOS) has successfully conducted elections for UPSCC for the years 2010-12 and 2012-14.

CIVIL ENGINEERING DIVISION (CV)

Awadhesh Kumar

Did AMIE-1989 and ME (CAD) in civil engineering from MNNIT, Allahabad-1996. He has 25 years of experience in construction and maintenance of hospitals, health centres and other buildings of UP medical, health and family welfare department. He is EC member of Allahabad Centre of Indian Concrete Institute, IEI Allahabad local centre (2011-13, 2013-15). He has organised and participated in many seminars and workshops. He is fellow of Institution of Valuers (India) and LM Indian Road Congress, MICI & MIEI.

Dinesh Kumar Dudeja

Presently he is Chief Engineer level-I in UPID and Advisor, PACT. As CE PACT he steered UPWSRP-Phase-II project preparation and got sanction from World Bank. Visited USA. He is FIWRS.

Mahendra Kumar Agarwal

Graduated in 1962 and served Irrigation department in various capacities and retired as suprintending engineer in 1977. He was Chairman of Ghaziabad local centre and Council member IEI and had been EC member of IEI centres at Roorkee, Aligarh and Varanasi. He has been member of Equivalence Committee (EQC), National Language Promotional Committee (NLPC) etc. and played active role. Presently he is President 'Age Care', Ghaziabad and Joint Sec, Ghaziabad Management Associate that is associated with All India Management Association, New Delhi.

M.K. Goel

He is Fellow of IEI, IV and MIRC. He did AMIE in 1964 and retired as Sr. Executive Engineer from UP Housing and Development Board. He is chartered engineer and had been Government registered Valuer from CBDT, UPSCC member of IEI for 2012-14, ex chairman, UP Zone Institution of Valuers, Lucknow, Ex Council member of Institution of Valuers, New Delhi. He is Director, Rotary Club of Lucknow (main) for 2012-13 & 2014-15.

Rajendra Nath Mishra

After graduation in Science and B.Tech from HBTI, Kanpur joined PWD, New Delhi in 1977. Served Rural engineering services & State Bridge Corporation Ltd as A.E. He worked on barrages in UP and Uttarakhand, construction of twin bridges in Eskikalak (Iraq) till 1985. New Mandovi bridge Panjim Goa till 1994. As Dy. Project Manager In Ahmedabad, Vadodara Expressway and Tapi river bridge Surat and as Project Manager constructed river bridges & ROBs in west UP. Presently he is GM (Planning-Commercial). He is Council member of IRC since 2012 till date and life member of Institution of bridge engineers and IEI.

Rajesh Kumar Trivedi

Graduate in 1974 and pursued ME(Highway & Traffic Engg.) in 1977 from IIT Roorkee. Joined UPSEB and worked at Anpara and Obra Thermal Power Stations, have been involved in construction of 630 & 1000 MW Anpara A & B respectively, Parichha, Harduaganj TPS. Had been Hon. Sec. (2001-3) & Chairman of Anpara local centre(2009-11). During his tenure Int. Conf. on 'Green Power Generation-Vision-2020' was organised in 2010 at ALC.

Ramesh Chandra Barnwal

Graduated in 1979 and M.Tech (Soil Mechanincs & Foundation Engg.) in 1981 from IT-BHU, Varanasi. Joined UPPWD A.E and rose to Chief Engineer (building). He is presently CE (NH) and additional charge of CE(E/M) at UPWD, Lucknow. He had been MD, UP State Bridge Corporation. He is Arbitrator in various cases. Has 15 years association with IEI and taken active participation in activities at

Varanasi local centre. He has been associated with construction of various residential and non-residential buildings, major bridges, ROBs, road projects including development of 4-Lane and 2-lane paved shoulder road works.

S. K. Kumar

Born in 1938, pursued MSc (Physics) from Bareilly College-1957 and B.E.(Civil) from University of Roorkee in 1960. Retired as Chief Engineer, Irrigation department, UP 1996 and as Member UP Public Service Commission in 2000. Did consultancy as top level expert in water management and was Co-team leader with WAPCOS in Orissa, Assam and Combodia. Had published and/or presented about 100 papers on IWRM & Environment in national and international journals/forums e.g. World Canal Conf, USA. He has visited USA, Japan, Netherlands, Denmark, Belgium, Cambodia, UK, France and Switzerland. He is former Vice President, IWRS and presently Chairman IWRS, Meerut Chapter.

Sultan Ahmad Khan Rao

Did graduation B.Sc. Engg. (Civil) from AMU, Aligarh. Worked in HEC, Ranchi as AE to CE. Has 31 years' experience in development of township infrastructure, e.g., residential, non-residential, public buildings, market complexes, roads, modern food factory, NIFFT & Ranchi university projects. He is former chairman IEI Local Centre,

Aligarh (2001-9), member American Society of Civil Engineers (MASCE). He is conferred Bharat Gaurav Vijay Ratna award for achievements as civil engineer. He is associated with Lions Club, Masonis Lodge, BVP, Hindi Parishad, Yoga Society of India etc.

Ved Prakash Bansal

BE from Roorkee University in 1964, joined UPPWD and retired as chief engineer. He did management in Business Finance too. Had been senator at Roorkee University, secretary and vice president of Alumni Association of Roorkee University. Currently he is member of ILCE (India), EC member of ICI & GLC, IEI.

R.K. Bansal

BE (1957) Roorkee University, retired as Chief engineer UPPWD. Had been addl. director, State Engineers Academy, Kalagarh. Fellow and LM of IEI since 1984. Has been Exe. Member of Ghaziabad local centre since 1995. Served as Chairman GLC & Council Member 2008-10. Member UPECC (2008-10 & 2012-14). In Council was member of Civil Engg. division, Regional coordinator Com, NLPC, Bye-Laws Committee & others. Has been consistently pursuing interpretation/implementation of Bye-Laws/Regulations with the aim of ways and means of improving the working of Centres/Institutions with involvement of young and working engineers.

29th Indian Engineering Congress

29th Indian Engineering Congress will be held at Hyderabad on Dec. 18-21, 2014 on the theme '**Technological Innovations and Economic Growth – India's Emerging Role**'. For further details please contact Organizing Secretary, 29th Indian Engineering Congress on mobile: 09391114950, 09985577590.

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hardly followed in India- "Collect Taxes in a way in which Bee Collects Honey from Flowers without damaging them."

The talks were followed by a discussion on which most of the members present actively took part which were aptly replied and supported by the speakers. Earlier, while welcoming the guests Mr V B Singh, Chairman, The Institution of Engineers (India), UP State Centre expressed satisfaction on allocation of Rs. 62,000 crores for infrastructure development which is double in comparison to last year's allocation. He also welcomed the inclusion of project of Waterways from Haldia to Allahabad, provision for Lucknow Metro and establishment of one AIIMS in Uttar Pradesh. Finally Mr J S Mishra, Hony. Secretary moved vote of thanks.

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electronic and computer devices. He told that there cannot be more than 300 civilizations in the universe at a time and one civilization cycle cannot long for more than 5000 solar years of earth.

Earlier Er. V.B. Singh, Chairman, The Institution of Engineers (India), U.P. State Centre welcomed the guests and also introduced the guest speaker. The meeting concluded with vote of thanks by Er.J.S. Mishra, Hony. Secretary.

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