



Nominations are Invited for Shanti Swarup Bhatnagar Prize for Science and Technology 2020

The Council of Scientific and Industrial Research (CSIR) invites nominations for the Shanti Swarup Bhatnagar (SSB) Prizes in Science and Technology for the year 2020. The SSB Prizes are to be given for research contributions made primarily in India during the past five years. The age of the nominee for the SSB Prize 2020 should not be more than 45 years as on 31 December 2019.

The SSB Prizes are awarded for notable and outstanding research, applied or fundamental, in the following disciplines: (1) Biological Sciences, (2) Chemical Sciences, (3) Earth–Atmosphere–Ocean–Planetary Sciences, (4) Engineering Sciences, (5) Mathematical Sciences, (6) Medical Sciences and (7) Physical Sciences. The SSB Prize carries a cash award, a citation and a plaque for each scientist selected for the award.

Nominations addressed to **The Scientist Incharge – SSB YSA Unit**, Human Resource Development Group, CSIR Complex, Library Avenue, Pusa, New Delhi 110 012 should be sent as per the prescribed proforma along with reprints of significant publications of the last 5 years period on or before **31 March 2020**.

PDF version of duly filled proforma, significant publications and photograph of the proposed nominee are also required in USB/Pen drive. The details of the SSB Prize and the prescribed proforma for nomination may be obtained from the above address or may also be downloaded from the website: www.csirhrdg.res.in



Ph.D. in Signal Processing and Machine Learning Department of Electronics and Communication Engineering SRM University-AP, Andhra Pradesh 522 502

Applications are invited for Ph.D. in Signal Processing and Machine Learning under the following Science and Engineering Research Board (SERB), Govt of India sponsored research project entitled '**Development of novel method based for deconvolution and denoising of seismic reflection data**' (Reference no. CRG/2019/0001234).

Project summary: The seismic data contain information about the earth's sub-surface layer and some unwanted noise. The earth layer information is useful for identification of mineral, hydrocarbon, water, etc. To obtain the earth layer information from the seismic data, the deconvolution and denoising are the key steps in seismic data processing. The objective of this project is to develop a method for deconvolution and denoising based on the signal processing and machine learning techniques. Some of the latest techniques used in signal processing include Convex optimization, dictionary learning techniques, EMD, machine learning, wavelet/EMD methods, blind source separation, blind system identification, etc., for denoising and deconvolution.

Principal Investigator: Dr Karthikeyan.

Eligibility: GATE/CSIR-UGC NET qualified M.Tech. graduates in Electronics and Communication Engineering/Communication Systems/Signal Processing/Machine Learning

Emoluments and duration: Rs 31,000 + HRA per month, duration: 3 years.

Interested candidates may apply with your CV by sending an e-mail to Dr Karthikeyan (karthikeyan.e@srmmap.edu.in).

Note: Please mention Ph.D. position – SERB project in the subject line of the e-mail.

Short-listed candidates will be called for the personal interview at SRM University-AP, Amaravati.