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Report of Prasad Subramanian, IUPAP nominee to the SCOSTEP bureau

The SCOSTEP bureau was involved in putting together the Next Scientific Program (NSP) for the SCOSTEP from 2019 to 2022. The NSP concept, titled "Predictability of the Solar-Terrestrial System", was evolved through discussions by the NSP committee and with the SCOSTEP bureau. The concept report addressed areas covering space weather and solar activity and its influence on weather and climate. The recommendations ranged from identifying key science questions to recommending mechanisms that can lead to increased collaboration. Most of my input focused on the section that dealt with predicting the occurrence and properties of flares and CMEs, CME propagation and Earth-arrival times.

The 14th Quadrennial Solar-Terrestrial Physics Symposium was held from July 9 – 13, 2018, Toronto, Canada, involving 150 scientists from 26 countries. SCOSTEP recognized Dr Kok Leng Yeo (Max Planck Institute for Solar System Research) as a distinguished young scientist for her notable contributions to advances in solar irradiance models that can feed into terrestrial climate predictions. Prof Jeffrey Forbes (University of Colorado, Boulder) was recognized as a distinguished scientist for his wideranging contributions to solar-terrestrial physics and atmospheric physics. Five graduate students and two postdoctoral scientists were awarded the SCOSTEP visiting scholarship 2018 to make professional visits that would foster collaboration and enhance their scientific output.