



## Enabling a More Prosperous Space Era: A Signal Processing Perspective

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### Message from the Guest Editor

To quote Dr. Carl Sagan in the TV series *Cosmos*, “The cosmos is also within us, we’re made of star-stuff. We are a way for the cosmos, to know itself”. Curiosity and courage have been constantly motivating and inspiring humanity to explore the broad universe and unveil many of its mysteries. A historical milestone was marked on July 12, 2022, when the first full-color images and spectroscopic data of the James Webb Space Telescope (JWST) were released to unfold the infrared universe. This symbolized the dawn of a new era in astronomy. Due to technological advancements over the last decades in space exploration, deep-space communications, remote sensing, observatory instrumentation, artificial intelligence, etc., many phenomenal discoveries have been continuously made to refresh our understanding of the cosmos. Today, this rate of refresh is even faster than ever, thanks to a possible “technological singularity” that arrived at an accelerated pace due to numerous catalysts.





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## Message from the Editor-in-Chief

Our primary goal is to encourage scientists and engineers to publish their theoretical results and developed methods in as much detail as possible. There is no limit to the maximum length of papers. Whenever possible, authors are encouraged to provide relevant data and developed code so that the results can be reproduced. Our goal is to provide a platform for scientists and engineers to share new approaches to signal processing in various application domains.

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