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Advances and Application of Electron Beam Dynamics

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Deadline for manuscript submissions:
closed (31 December 2021)

Message from the Guest Editors

Dear Colleagues,

We are pleased to invite you to submit a manuscript to the *Photonics* Special Issue "Advances and Application of Electron Beam Dynamics". Radiation sources based on electron beams play a well-established role in exploring and characterizing advanced materials, biomaterials, and living matter, with a diverse range of ground-breaking applications in industry, medicine, life science, fundamental research, and cultural heritage.

This Special Issue plans to offer a wide up-to-date review on recent progress within the field of electron-based photon sources encompassing the most recent results at running facilities, experimental beam techniques, beam optics instruments, advanced theoretical concepts, diagnostic tools, novel beam configurations, coherence enhancement methods, and upgrade status of present user facilities.