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Abstract for an Invited Paper
for the SES10 Meeting of
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Research, Applications and Employment Opportunities in Earth System Science

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I will describe the scientific challenges facing Earth System Science and its many applications both in the area of weather forecasting and climate. I will also touch upon the responsibilities that people in our area have in communicating their results with the public at large as well as with policy makers. This informal presentation will be of interest to graduate and undergraduate students interested in potential research experiences or employment in atmospheric, ocean and Earth physics.