Dear Society Fellow Evaluation Committee,

I am writing to show my support for Dr. Jane Smith to receive the Society Fellowship for their work in making great discoveries and having had a sustained impact on our field, as well as for their technical acumen and outreach.

I have known Jaynie (as I call her) for the last 30 years.  In that time, we have collaborated together on multiple investigations. Perhaps most notably, we worked closely together on the Important Committee, where I was Chair (and Jaynie was Vice-Chair). This gave me substantial insight into Jaynie’s abilities and management style. From my close association with Jaynie on Important Committee, I would say that Jaynie was very effective in communicating the work of the Steering Committee. We (as Chair and Vice-Chair, respectively) were blessed with many hard-working and passionate individuals on our Steering Committee. A core group of these people worked tirelessly to complete the writing and editing of the final report. I would say Jaynie became most effective as the report was rolled out and as it was portrayed to the federal agencies such as NASA, NSF, and NOAA. She is remarkably articulate and can be an effective spokesperson.

After further reviewing Jaynie’s record of leadership and management, she has played mid-level roles in academic administration. She taught a popular and successful course entitled *The Business of Science*. To my knowledge, she has also managed hardware programs at State College University (SCU) that have been in the few hundred $K to the several $M funding levels. It is clear that the challenges of managing laboratory, ground instrumentation, and satellite instrument programs are an important component of academic life where she excels.

Jaynie’s scientific record consists of about 200 refereed publications, plus another several dozen conference proceedings; this is a respectable record for our sub-discipline.  She has also been a guest editor on special edition journals. Put together, her record demonstrates her willingness to support the larger community through both organization and collaboration.  I would point out that during the last couple of years, Jaynie has participated in nearly 50 publications. Jaynie was the first author on several of them, with students or collaborators leading the rest. Obviously, it takes a committed effort to keep publishing papers as the first author while juggling management and leadership duties, but Jaynie has striven to do so.

One aspect of Jaynie’s work that merits special recognition is her deep connection to observations. Jaynie is an expert on data and on the analysis of the data. She not only develops and runs her own numerical models, she analyzes the observations and validates the models rigorously against these observations. She has been a pioneer in data-driven modeling, which is currently a popular research topic.

Importantly, Jaynie has a pleasant personality, which likely contributes to the large number of people who wish to collaborate with her.  In view of the above-mentioned points and Jaynie’s

impressive track record of research, supervising, and service in the international physics communities, I strongly feel that Jaynie should be honored with a Society Fellowship.

A final note about Jaynie is that she is a generous mentor. She has supervised a large number of postdoctoral researchers and young scientists. Many of these people are now prominent members of the community in their own right, such as Dr. Tom Baker.  Her focus on mentoring and providing support and advice for the young ladies in her department has also positively impacted the community; Drs. Katherine Janway, River Song, and Dana Anderson count among her female protegés. She has been a tremendous inspiration to me; her dissertation defense was one of the first that I witnessed when I started graduate school, setting the tone and expectations towards which I strive.

Sincerely,

 Byg F. Deel

Dr. B. F. Deel

Endowed Chair of My Department, Impressive University

Society Fellow

Fellow of Physics

Fellow of Astrophysics

Impressive Award Medalist

Member of Mensa