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poorly, as does the UKF and the PF. The BLSF ha
performs the second best, and the GMF the best.
explicit retrospective nonlinear smoothing calculati
approximation scheme that has similarities to impo
resulting GMF might properly be termed a “Blob Fi
approximation from a weighted sum of Dirac delta
finite, rather than an infinitesmal, covariance. The M

SHORT BIO OF MARK L. PSIAKI

Mark Psiaki holds a B.A. in Physics (1979) and an M.A. (1984) and Ph.D. (1987) in Mechanical and Aerospace Engineering, all from Princeton University. He has been on the faculty of the Sibley School of Mechanical and Aerospace Engineering at Cornell University since 1986 and currently holds the rank of professor. He has conducted research in the areas of estimation and filtering, GNSS receivers, navigation and remote sensing using GNSS signals, GNSS security and integrity, spacecraft attitude and orbit determination, aerospace vehicle guidance, numerical trajectory optimization, and dynamic modeling of satellites, aircraft, and wheeled vehicles. He has authored or co-authored over 60 refereed journal articles and 60 additional conference or trade magazine papers. He holds 5 patents. He is a