

## BIOGRAPHY OF PROF. JOHN F. FOSS

**Education:** Purdue University, BSME (1961), MSME (1962), Ph.D (1965)



**Employment:** Michigan State University  
Asst. Prof. (1964), Assoc. Prof. (1968), Prof. (1975)

### Sabbatical

**Leaves:** JHU (1970), Univ. Karlsruhe (1978), Univ. Erlangen (1985),  
Univ. Melbourne (1995)

### Professional

**Service:** Assoc. Editor, *AIAA Journal* (1982-1985)  
Assoc. Editor, *JFE* (1988-1996)  
*Meas. Sci. & Tech.*, N. American and Special Features/Issues (1996-present)  
Program Director, NSF Fluid Dynamics and Hydraulics (1998-2000)

**Research:** The guiding spirit for his research has been “analytical experimentation.” in which one seeks to identify and to utilize the basic phenomena of the subject flow field. This spirit is present in his 82 journal and conference publications, his 13 book chapter and his co-authored textbook. The direct measurement of time resolved vorticity and using these data to infer governing phenomena is a particular example of this spirit.

### Fields of

**Interest:**

1. Time resolved and transverse vorticity measurements
2. Topological constraints to examine isolated singular points of observed or computed vector fields