1. Purpose
A flow phenomenon is related to the transportation of the material, energy, and information. "Committee of Flow Measurement and Fluid Control" contributes to safety and more efficient society and environment.

2. Background
Fluid control is used from the nano area to space in daily life and the factory, and new technological development is demanded. Then, the contribution to the society by the professional group of flow measurement and fluid control in various fields is necessary.

3. Strategy / Method
Flow visualization and simulation based on fluid dynamics promotes new solution and seeds. It is applied to the fields such as an unsteady flow quantity standard, a MEMS sensor, an actuator, a care instrument, and biological engineering.

4. Organization and Number of members
Chairman: Toshiharu KAGAWA (Tokyo Institute of Technology)
Members: Satoshi HONDA, Toshinori FUJITA, Kazushi SANADA, Osamu OYAMA, Kenji KAWASIMA, Masahiro ISHIBASHI, Tatsuya FUNAKI, ...

5. Activities / Study
SICE Annual Conference and International Symposium are main activity
1) Virtual measurement and control of flow field (Tohoku University, Hayase Lab.)
2) Pneumatically Assist Walking System (Meiji University, Oyama Lab.)
3) New electromagnetic flowmeter (Keio University, Honda Lab.)
4) Power assisted chair (Yokohama National University, Sanada Lab.)
5) Pneumatic Servo System for Laparoscopic Surgery (Tokyo Institute of Technology, Kagawa/Kawashima Lab.)
6) Three-dimensional speed measurement (Miyazaki University, Kawasue Lab.)