NOVEL ALGORITHMS FOR FAIR BANDWIDTH SHARING

ON COUNTER ROTATING RINGS

**by**

**Mete Yilmaz**

**A Dissertation**

**Submitted to the Faculty of**

**New Jersey Institute of Technology**

**in Partial Fulfillment of the Requirements for the Degree of**

**Doctor of Philosophy in Computer Engineering**

**Helen and John C. Hartmann Department of**

**Electrical and Computer Engineering**

**January 2013**