

# Silver Jackets Meeting

November 11, 2014

Georgia Tech Student Center, Room 343

## Minutes

**Members Attending (22)** Ian Gatland, Robert Green, Jerry Thuesen, Eugene Patronis, Len Parsons, Raziya Chapman, Chris Mitchell, Martha Farley, Marge Boehme, Mercedes Saghini, Richard Salant, Paul Wine, Jo McIver, Annette Satterfield, Walter Allen, Sally Hammock, Andy Griffin, Wayne Book, Judy Whitfield, Rosalind Meyers, Judy Book, Sandra Thornton

### Business Meeting

**Ian Gatland, President of Silver Jackets**, called the meeting to order and welcomed the members .

**December Luncheon**—Tuesday, December 2, 12:00 noon, **Petite Auberge Restaurant**, Toco Hills Shopping Center, 2935 North Druid Hills Road, Atlanta, GA 30329. Reservation forms were made available to those members not having previously submitted reservations.

**Member Gene Patronis** reported that The School of Physics recently sponsored a special **Colloquium** recognizing and honoring **Ian Gatland's Fifty Years of Association with the School of Physics**.

All **Veterans** were recognized.

**Member Sandra Thornton** announced that **Collection of Books for Children Read** continues. Please bring any books you are donating to the **December Luncheon**.

**President Ian Gatland** reported that some feedback had been received re the Human Resources/Board of Regents presentations. Continued cooperation with HR was solicited. Georgia Tech will be providing some subsidy (Flat Rate).

### Program

**Vice President Ward Winer** introduced **Reginald Des Roches, Karen and John Huff Professor and Chair, School of Civil and Environmental Engineering** by reviewing some of his previous service to various government agencies.

Dr. Des Roches covered a number of topics including the following:

Grand Challenges for Engineering

Infrastructure—Facts, challenges, and aging

Wireless “Smart Skin” Sensors

Mobile sensors for structural maintenance

Cost of disasters in U. S.

Earthquake frequency—Five of the ten deadliest have occurred in past five years

Specifics of 2010 Haiti Earthquake:

250,000 dead

1.6 million homeless

Estimated cost—\$14 Billion

87 percent of universities devastated

Conflict between construction for hurricanes and earthquakes

Ground motions are more serious

The Atlanta Project—Learning how to make structures more stable, what to put in code

Use of X-braces

Putting buildings on rollers

Tallest buildings are safest

Range of danger is greatest in 5 to 15 story buildings.

Respectfully submitted,

Robert Earl Green, Secretary