

CWSF 2005 - Vancouver, British Columbia



Peter Barfuss

Capacitors: Battery of the Future

Division: Engineering & Computing Sciences

Category: Intermediate

Region: Windsor

City: Windsor, ON

School: F.J. Brennan High School

Abstract: It is a commonly held opinion that capacitors discharge too rapidly to ever become a useful energy source. I have designed a device that allows for steady discharge of a capacitor so it can power various electronic devices for several hours. Such a battery can be recharged in minutes.

| Awards | Value |
|---|--------------|
| CAP Physics Prize - Intermediate Sponsor: Canadian Association of Physicists | \$250 |
| Honourable Mention - Engineering - Intermediate Sponsor: Youth Science Foundation Canada | \$100 |
| Total | \$350 |