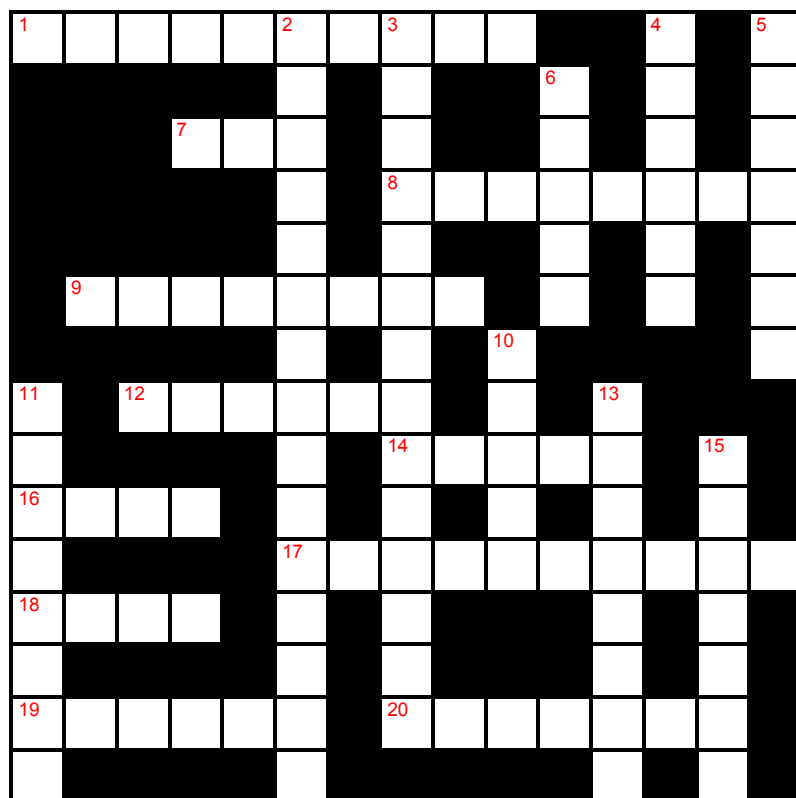


Wind_Energy_Conversion_Systems_15x15_2008-10-21

B.B. Huria



Across

- 1 A tower that is supported with a chain, wire, rope or rod. (5,5)
 7 Unit of resistance. (3)
 8 A vertical axis wind turbine system invented by G. M. Darrieus of france in 1925. (8)
 9 A device for converting direct current to alternating current by mechanical or electronic means. (8)
 12 To restore the active materials (in storage battery) by the passage of a direct current through in the opposite direction of that of the discharge.

- (6)
 14 The rotating armature of a motor or generator. (5)
 16 The power output of a generator or power plant. (4)
 17 An electric generator for producing alternating current. (10)
 18 A unit of power equal to 1 joule per second. (4)
 19 A force that produces or tends to produce rotation. (6)
 20 Invisible, positively charged particles found within the nucleus of an atom. (7)

Down

- 2 Material which has magnetic properties when being brought near a magnetic field, but which loses these properties when the field is removed. (9,6)
 3 Power derived from the wind (as by windmills). (4,10)
 4 Unit of measurement of current. (6)
 5 Box shaped bits of carbon which rest against the commutator or contact the slip-rings to transmit the generated electricity onto where it can be used. (7)
 6 A unit of frequency

equal to one cycle per second. (5)

- 10 Machine that converts other forms of energy into mechanical energy and so imparts motion. (5)
 11 1,000 watts. (8)
 13 Coil in which voltage is induced by motion through a magnetic field. (8)
 15 Invisible, positively charged particles found within the nucleus of an atom. (7)