6.270 Autonomous LEGO Robot Competition

IAP 2009: ONE SMALL BRICK



The year is 2067. After decades of inefficient, bureaucratic attempts to utilize the Solar System's vast mineral wealth for the benefit of the burgeoning Tellurian Civilization, private corporations and wealthy individuals have taken it upon themselves to do what their national governments could not.

Constructed from off-the-shelf components, proven modular structural elements, and sophisticated software, dozens of EXPLORATORY ROBOTS have been dispatched to the surfaces of Mars and other planetary bodies for a triple purpose: to gather MINERAL SAMPLES, searching for valuable isotopes like fissile $^{294}_{118}$ eka-emanation and fusile $^{3}_{2}$ He; to establish a legal and material CLAIM for the ground of their landing zones; and to bring GLORY AND PROFIT to their creators.

You have the opportunity to take part in this epic endeavor! Many contestants have gone before you, and along your way you will certainly benefit from their wisdom and experience. Depending on your landing zone, you may even encounter feeble robotic representatives of the old government explorers. As the intellectual offspring of a cadre of brilliant scientists and engineers, your new generation of robots will run circles around the big-budget dinosaurs they deprecate. This is your chance. Invent the future.

EXPLORE. ACQUIRE. CONQUER.