

LEAF SPRING ROAD BIKE

2008 KOREAN INTERNATIONAL BICYCLE DESIGN COMPETITION



OBJECTIVE:

Design (with team member) a road bike for the 2008 Korean International Bicycle Design Competition.

CONCEPT MATERIALS:

- Magnesium (front half of bike frame)
- Carbon Fiber (front fender, rear fender-bike frame, gear selector housing)
- Stainless Steel (crank, seat frame, brakes, derailleurs)
- Steel (gears, chain, fasteners, leaf springs)
- Aluminum (wheel rims)

INSPIRATION:

- Ross Lovegrove
- negative space
- organic forms
- leaf springs

INDIVIDUAL RESPONSIBILITY:

Create rough sketches to present to team member. Provide hand rendering, and then *Adobe Photoshop* rendering to examine materials. Construct 3D model in *Rhinoceros 4.0* (rendered using *Flamingo 1.1*).