

Virtual Bicycling Companions



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Swarming Ideas

Alison: Let's concentrate on the show of nervous energy, e.g. leg-bouncing...

Taly: It's interesting, but hard to implement. I think of a system for two remote companions racing with exercise bikes...

Ivan: The bikes can be real, too! And the competition can be not only about the speed, but also about maintaining more stable physical/nervous condition...

Bicycling as a Human Behavior

Why? Bicycling is a means of transportation, a sport, and a fashionable way of socializing.

Where? It is ubiquitous.

Indications? Swift quiescent bikers are often hard to notice before it's too late.

Effects? Jaywalkers and drivers are increasingly worried. Bikers also get worried once they have bumped into a suddenly opened door of a car parked in the street. At the same time, bicycling is fun, generally healthy, affordable, ecologically harmless...

Bicycling in a Company

Taly



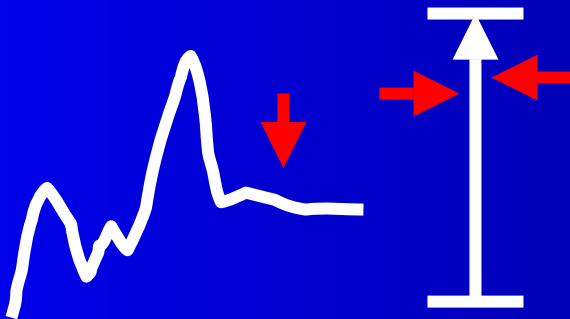
Speed: 5mph

Friend

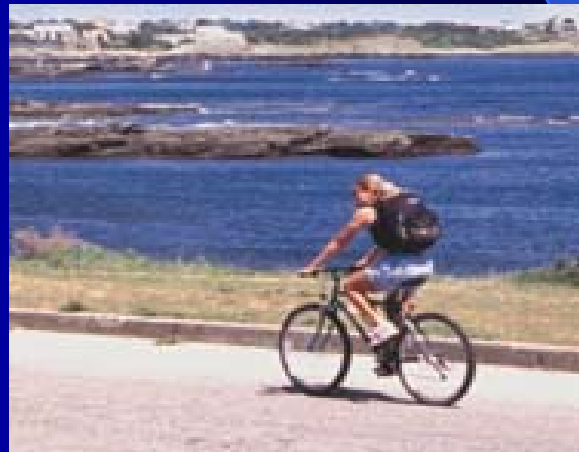


Speed: 4mph

Statistics



Terrain angle: 2%
Heart rate: 160



Scenario 1: the Gym

Sliding camera



RPS

Power

Scenario 2: on the Road

- Bikers can communicate across distance.
- Different patterns of remoteness (far-not so far).
- Types of information conveyed: synchronous conversation, biometric info, speed info, etc.
- I/O modalities: audio + touch.

Toward an Implementation

- Apart from mikes and cameras:
Hoarder board (Vadim Gerasimov)
- Accelerometers (fixed on the bike?)
- Now what if a companion decides to cheat (e.g., hack the system and pretend to be exercising while having tea?).

