

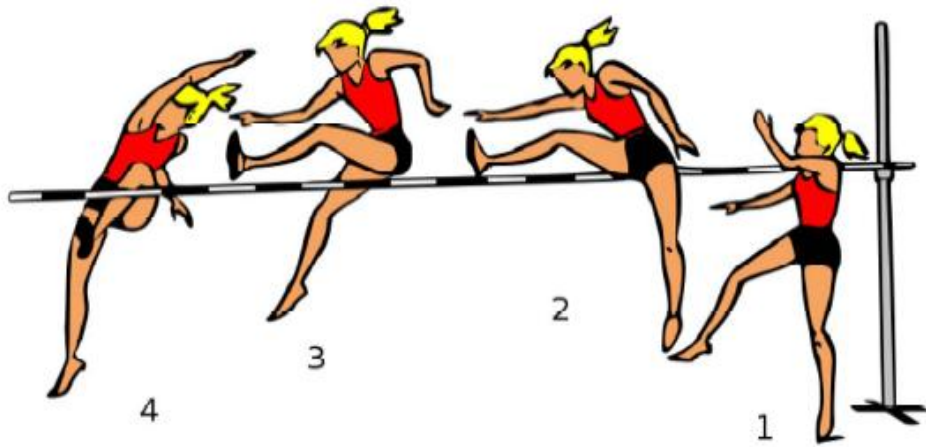
# INNOVATIONS PAST, PRESENT, AND FUTURE

**Professor Jean-Louis BRIAUD**

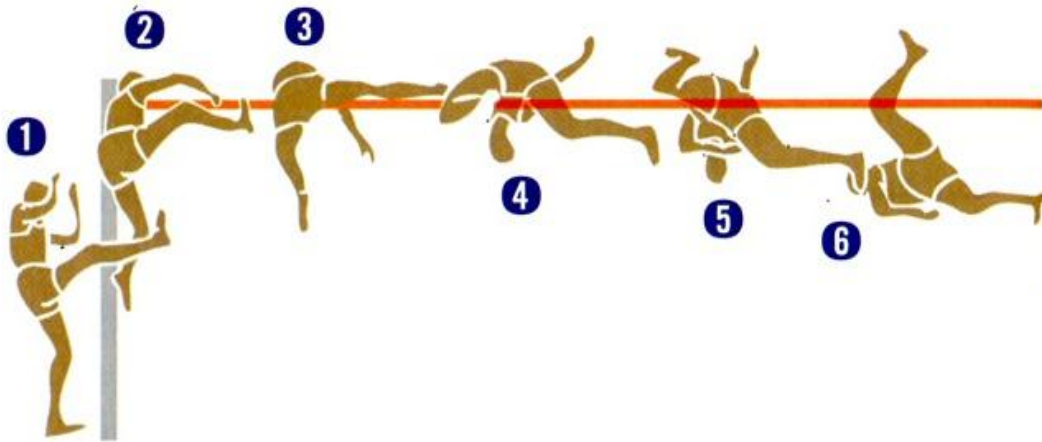
President of ISSMGE

Professor, Texas A&M University





**SCISSORS (1.97m)**



**STRADDLE  
(2.33m)**

**FOSBURY  
FLOP (2.45m)**



# 1968 Mexico Olympic Games



© IOC

# **INNOVATIONS: PAST**

**Effective stress**

**Wave equation and pile driving analyzer**

**Reinforced earth**

**Geosynthetics**

# **INNOVATIONS: PRESENT**

**Risk analysis**

**Unsaturated soils**

**Geoenvironmental and remediation**

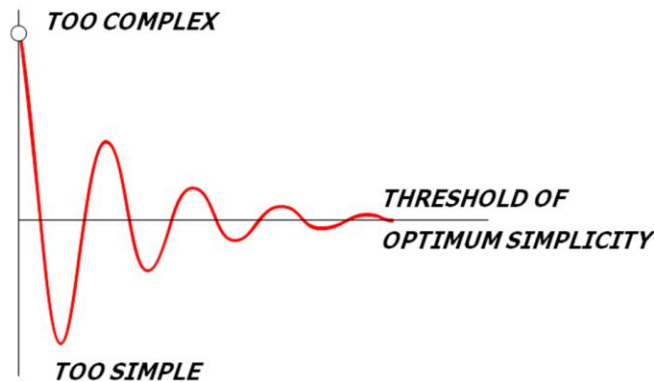
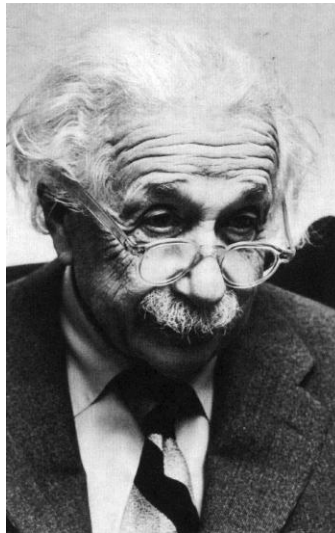
**Energy geotechnics**

# INNOVATIONS: FUTURE

What is needed?

Corporate Associates make a list

Young professors use the list



Things should be as simple as possible but not one bit simpler than that