



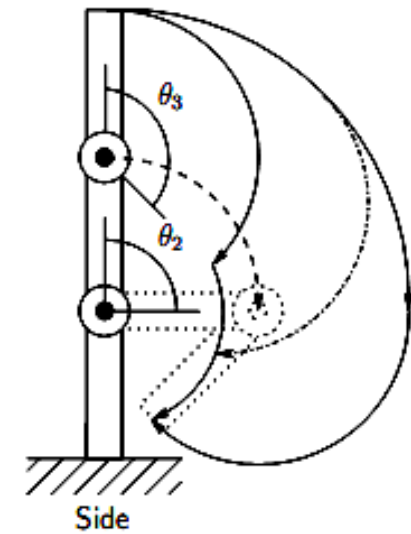
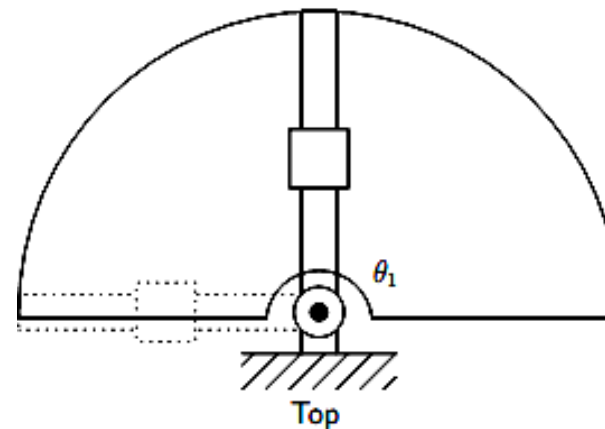
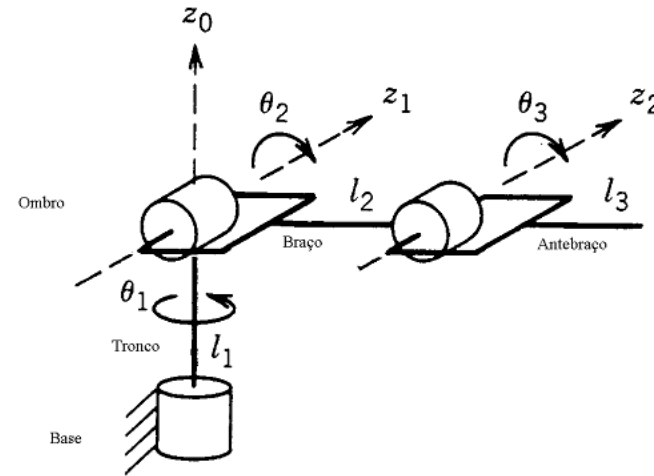
Universidade Federal de Viçosa  
Centro de Ciências Exatas e Tecnológicas  
Departamento de Engenharia Elétrica

# Robótica Industrial

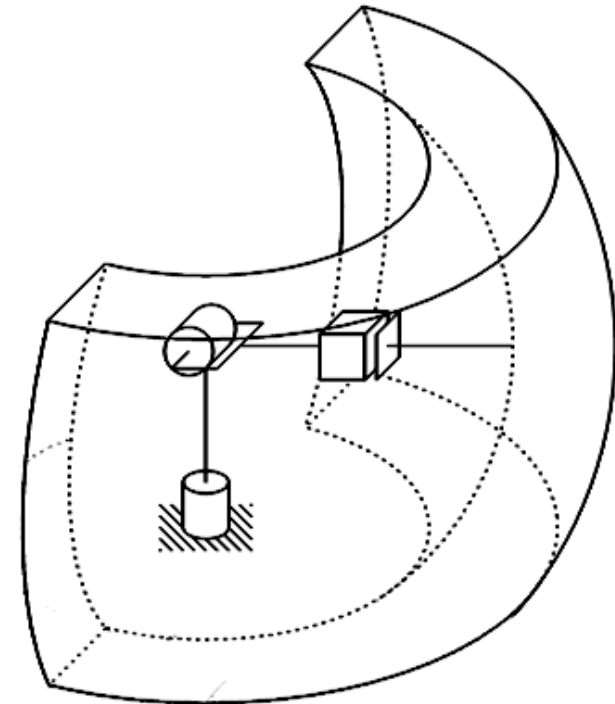
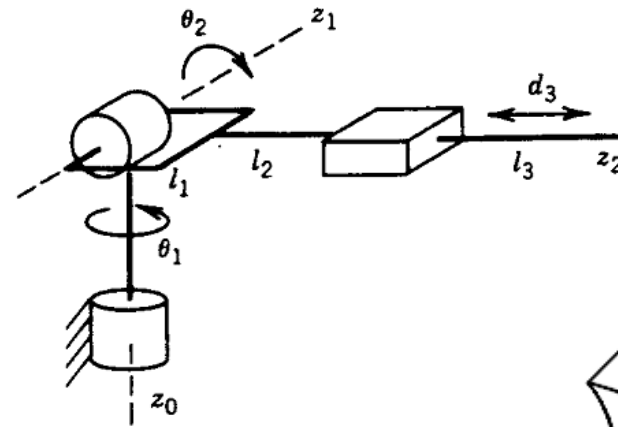
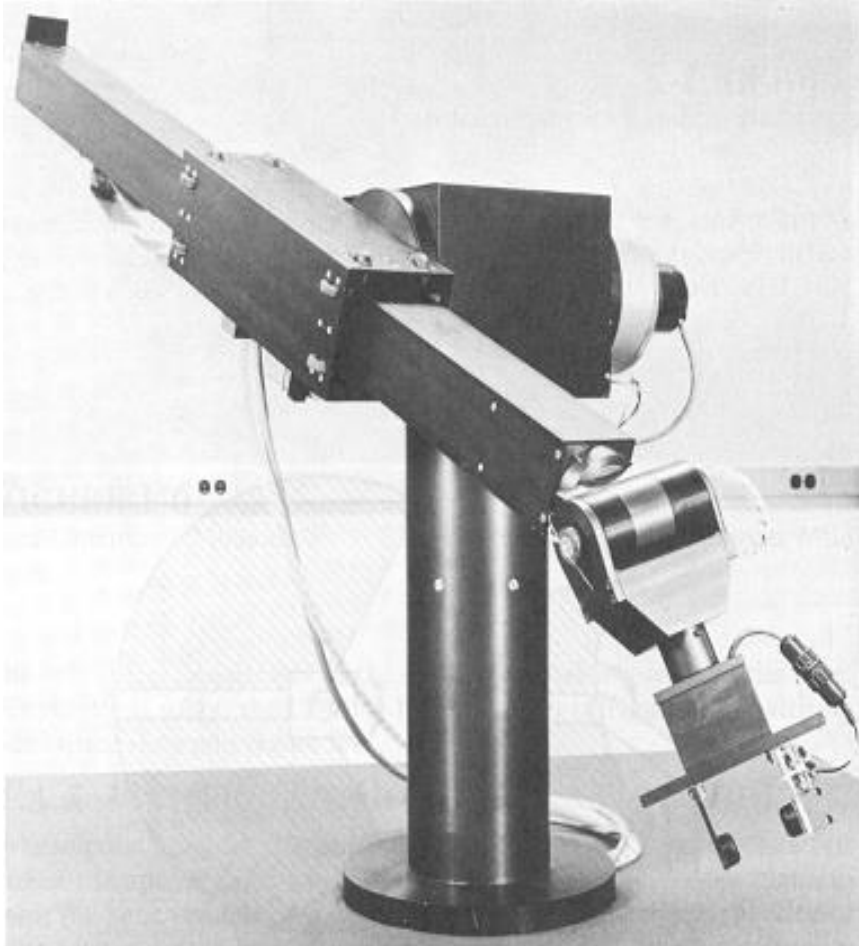
## Introdução a Manipuladores Robóticos

**Prof. Dr. Alexandre S. Brandão**  
alexandre.brandao@ufv.br

# Manipulador Articulado (RRR) – Antropomórfico

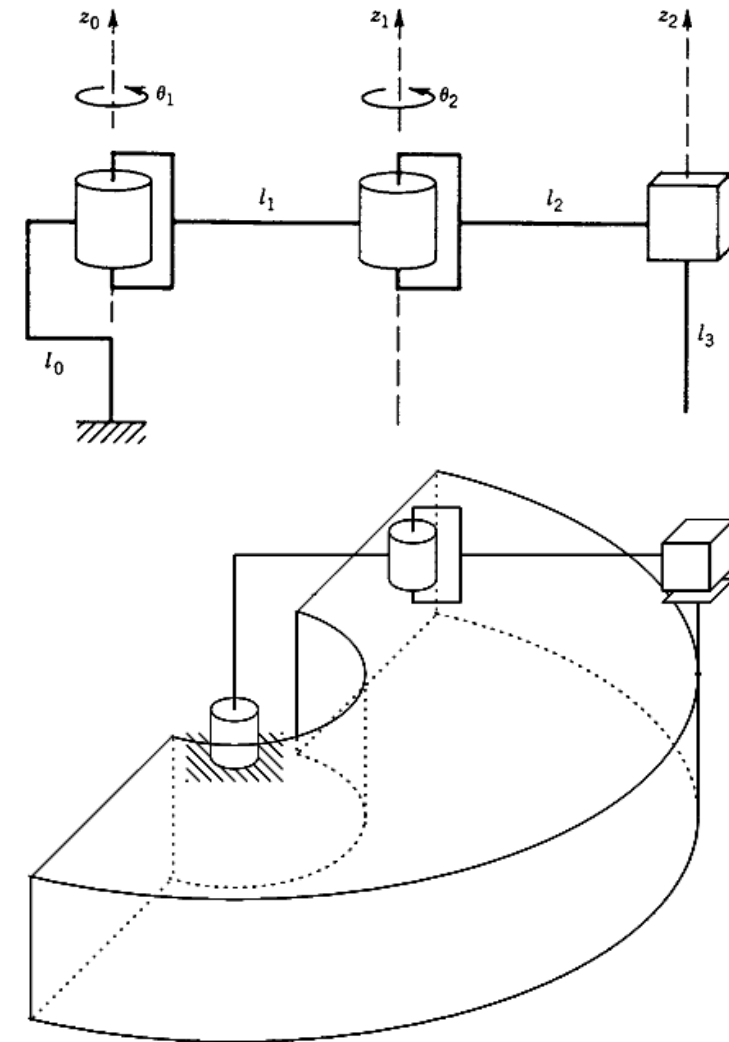


# Manipulador Esférico (RRP)

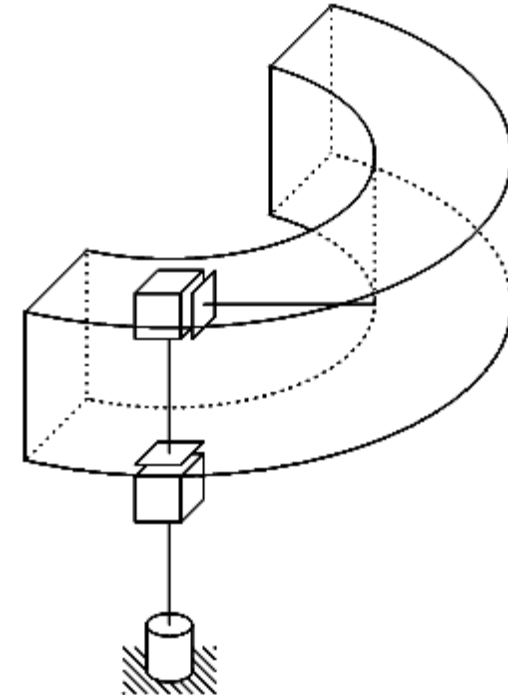
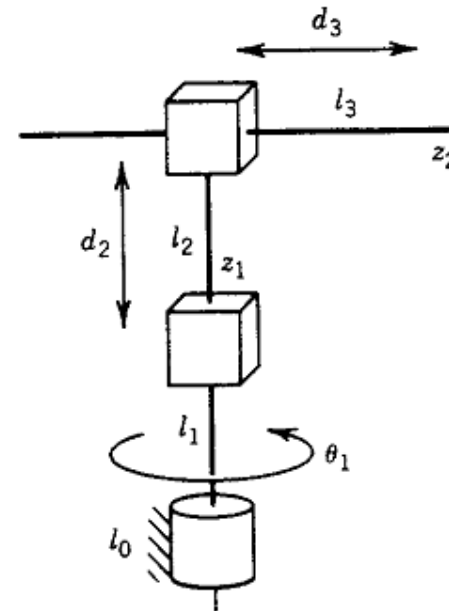


# Manipulador SCARA (RRP)

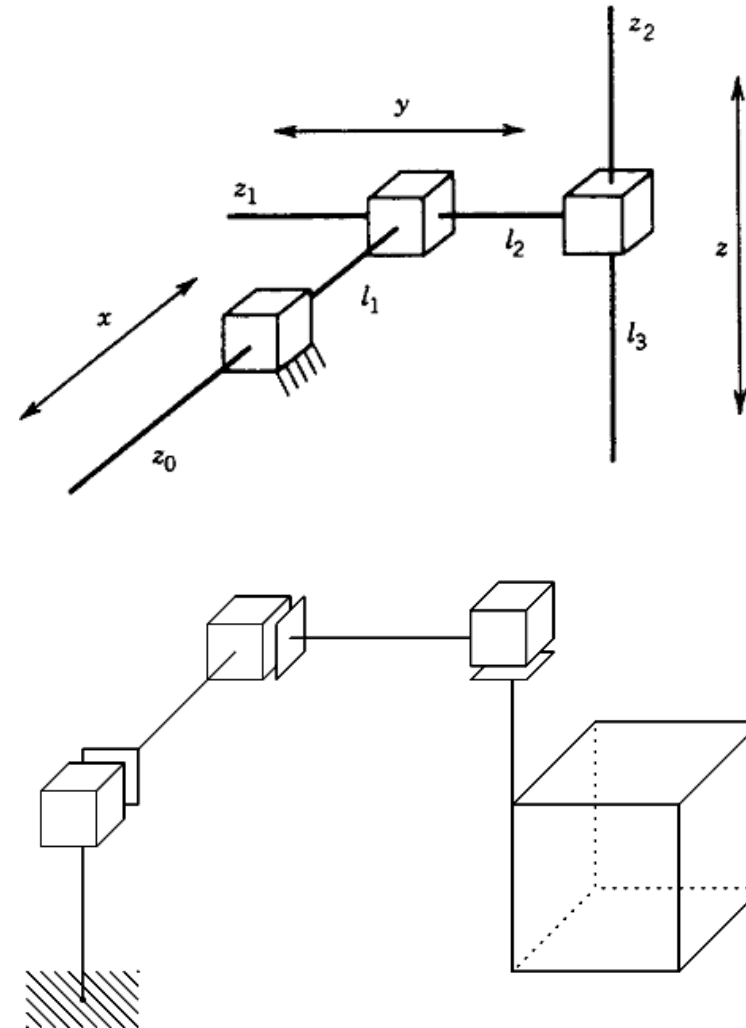
- ❑ Acrônimo para  
*Selective Compliance Assembly Robot Arm*



# Manipulador Cilíndrico (RPP)



# Manipulador Cartesiano (PPP)



# Manipulador Paralelo

