

Univerza na Ljubljani  
Fakulteta za elektrotehniko

---

# Osnove mehatronike

## Elektrotehnika – 1. stopnja

prof. dr. Vanja Ambrožič  
Laboratorij za regulacijsko tehniko in močnostno elektroniko (LRTME)  
[vanjaa@fe.uni-lj.si](mailto:vanjaa@fe.uni-lj.si)  
<http://lrt2.fe.uni-lj.si>



---

V. Ambrožič: Osnove mehatronike 1

---

---

---

---

---

---


---

---

Univerza na Ljubljani  
Fakulteta za elektrotehniko

---

Tip predmeta: Izbirni – splošni  
Šifra predmeta: 011  
Skupno število ur predavanj: 30 (2 uri/teden)  
Skupno število ur Laboratorijskih vaj: 30 (2 uri/teden)  
ECTS: 5



---

V. Ambrožič: Osnove mehatronike 2

---

---

---

---

---

---

---


---

Univerza na Ljubljani  
Fakulteta za elektrotehniko

---

# MEHATRONIKA = MEHAnika + elekTRONIKA

sinergija (medsebojno dopolnjevanje) mehanike, elektronike in računalništva med projektiranjem in realizacijo tehnološkega sistema.



---

V. Ambrožič: Osnove mehatronike 3

---

---

---

---

---

---

---

---






---

---

---

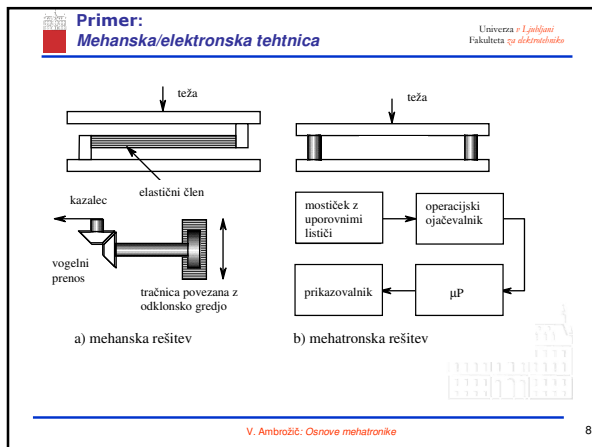
---

---

---

---

---




---

---

---

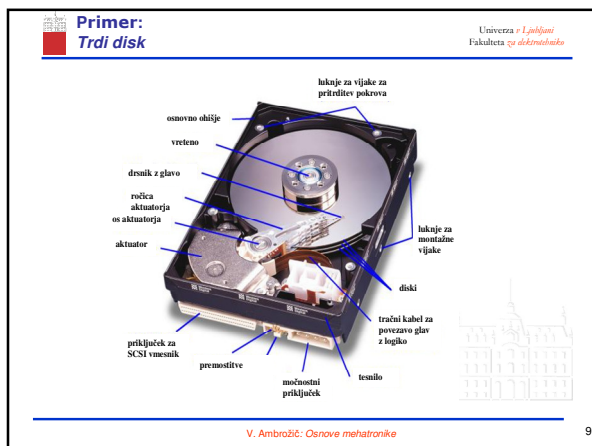
---

---

---

---

---




---

---

---

---

---

---

---

---

**Primer:**  
**Skuter z zaganjačem/ojačevalnikom momenta**

Univerza *• Ljubljana*  
Fakulteta *za elektrotehniko*

V. Ambrožič: *Osnove mehatronike*

10

---

---

---

---

---

---

---

---

---

---

**Primer**  
**MAGLEV**

Univerza *• Ljubljana*  
Fakulteta *za elektrotehniko*

V. Ambrožič: *Osnove mehatronike*

11

---

---

---

---

---

---

---

---

---

---

**Primer**  
**Vetna elektrarna**

Univerza *• Ljubljana*  
Fakulteta *za elektrotehniko*

Pozemni električni priključek (pogled s prednje strani)

Temejni (stranski pogled)

V. Ambrožič: *Osnove mehatronike*

12

---

---

---

---

---

---

---

---

---

---

**Primer: Osební avto**

Univerza na Ljubljani  
Fakulteta za elektrotehniko

V. Ambrožič: Osnove mehatronike

13

---

---

---

---

---

---

---

---

---

---

**Primer: Laserski tiskalnik**

Univerza na Ljubljani  
Fakulteta za elektrotehniko

V. Ambrožič: Osnove mehatronike

14

---

---

---

---

---

---

---

---

---

---

**Primer: Laserski tiskalnik**

Univerza na Ljubljani  
Fakulteta za elektrotehniko

V. Ambrožič: Osnove mehatronike

---

---

---

---

---

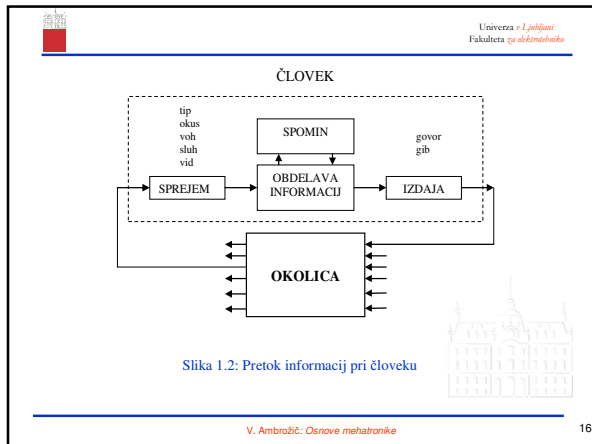
---

---

---

---

---




---

---

---

---

---

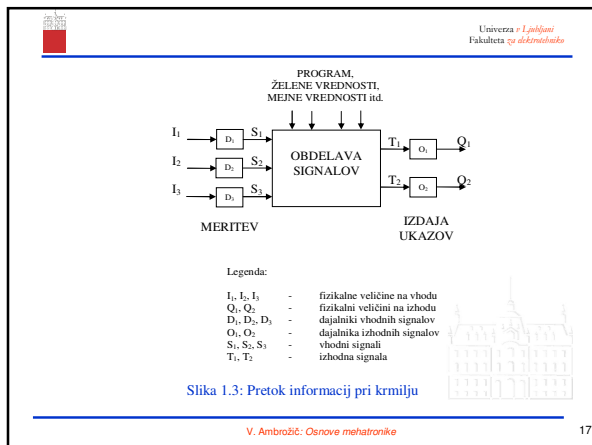
---

---

---

---

---




---

---

---

---

---

---

---

---

---

---