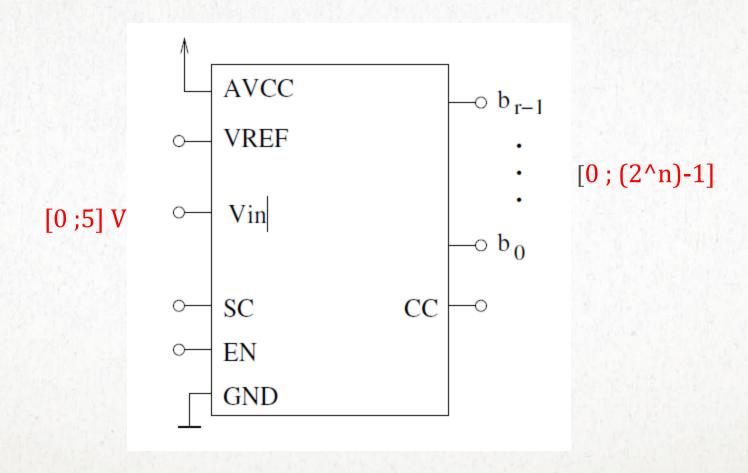
### Laborator de Electronica Digitală (ED)

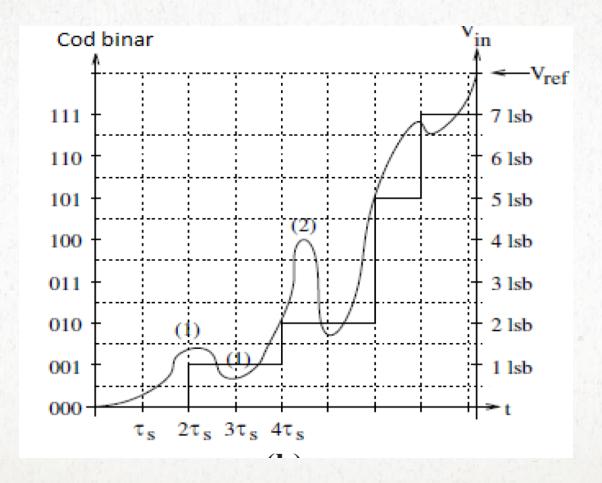
## CONVERTORUL ANALOG-DIGITAL

SL. DR. ING. GABRIEL HARJA

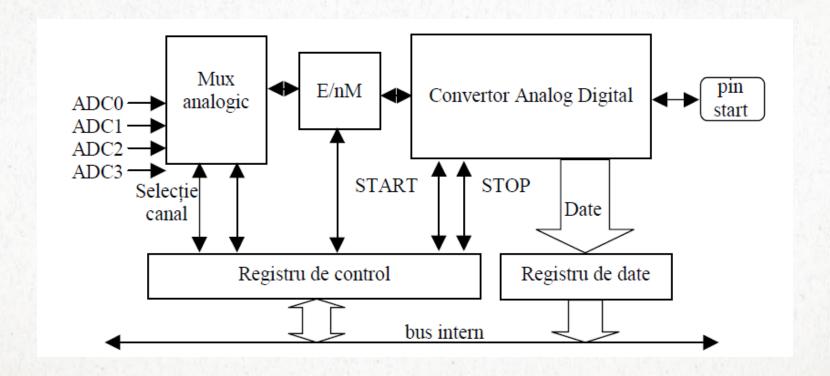
EMAIL: GABRIEL.HARJA@AUT.UTCLUJ.RO

#### **CAN - CONVERTOR ANALOG NUMERIC**





#### CAN - CONVERTOR ANALOG NUMERIC



#### **INTRERUPERE A TIMERULUI**

```
void init_adc()
ADMUX = 0b01000000;
ADCSRA= 0b10000111;
int adc(char ch)
ADMUX &= 0b11100000;
ADMUX |= ch;
ADCSRA|=(1<<6);
while(ADCSRA&(1<<6));
return ADC;
```

```
ISR(TIMER0_COMP_vect)
{ X++;
  switch(x)
         case 1: display(4,n%10);break;
         case 2: display(3,(n/10)\%10); break;
         case 3: display(2,(n/100)%10);break;
         case 4: display(1,(n/1000)\%10);
  x=0;break;
if (t==999){
  n=adc(6);
  t=0;
else t++;
```

# CNA – CONVERTOR NUMERIC ANALOGIC

