

Design  
parameters

Hardware  
parameters

Number of slots per round

Deadline ratio

WCETs of Bolt API functions

Length of a round

$C_{net}$

$r$

$B$

$C_w$

$C_r$

$C_f$

DRP

**Computes  
system's  
parameters**

and

**Answer new  
flow requests**

Application  
requirements

Current flow set  $\mathcal{F}$

New flow request

$F_i = (n_i^s, n_i^d, T_i, J_i, \mathbf{D}_i)$

Static output

Flushing interval  $T_f^s$  of CPs

Dynamic outputs

Max. flushing interval  $T_f^d$  of APs

Network deadline  $D_i$  of flow  $F_i$

Flow request answer (YES/NO)