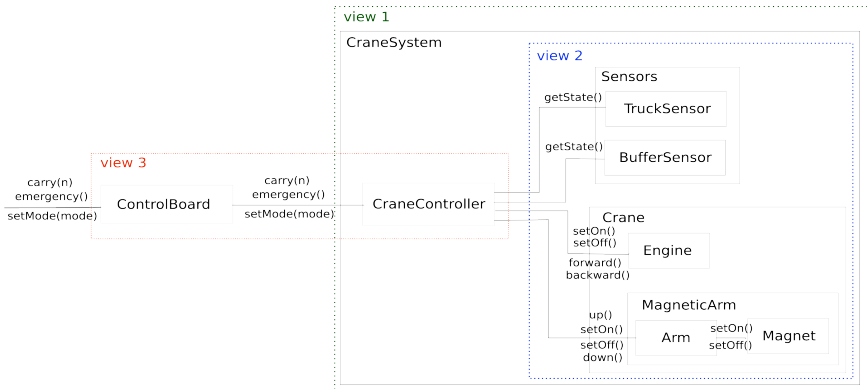


Open Discussion

Abdel Hakim Hannousse

30th Meeting

Crane System Views



Semantic Domains :

s	\in	Sig	$::=$	ID
cn	\in	$CName$	$::=$	ID
ltf	\in	Itf	$::=$	Sig^*
m	\in	$Membrane$	$::=$	$Itf^* \times Itf^*$
ct	\in	$Content$	$::=$	$Component^* + CName$
b	\in	$Binding$	$::=$	$Itf \times Itf$
c	\in	$Component$	$::=$	$ID \times Membrane \times Content \times Binding$

Syntax : (1)

$v \in View \quad ::= \quad \mathbf{view} \ c \mid \mathbf{client} \ v \mid \mathbf{server} \ v \mid v \ \mathbf{except} \ s \mid v_1 \sqcup v_2 \mid v_1 \sqcap v_2 \mid v_1 - v_2 \mid v_1 \triangleright v_2$

Example :

$v_1 = \mathbf{client} \ \mathbf{view} \ craneSystem$

$v_2 = \mathbf{client} \ \mathbf{view} \ sensors \sqcup \mathbf{client} \ \mathbf{view} \ crane$

$v_3 = \mathbf{client} \ \mathbf{view} \ controlBoard \sqcup \mathbf{client} \ \mathbf{view} \ craneController$

Syntax : (2)

$v \in View \quad ::= \quad c \mid c \ \mathbf{except} \ s \mid v_1 \sqcup v_2 \mid v_1 \sqcap v_2 \mid v_1 - v_2 \mid v_1 \triangleright v_2$

Example :

$v_1 = craneSystem$

$v_2 = craneSystem \ \mathbf{except} \ craneController$

$v_3 = controlBoard \sqcup craneSystem - \mathbf{except} \ v_2$