

Towards a Unified Model of Outdoor and Indoor Spaces

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**Aalborg Airport hall
an indoor space (i-space)**

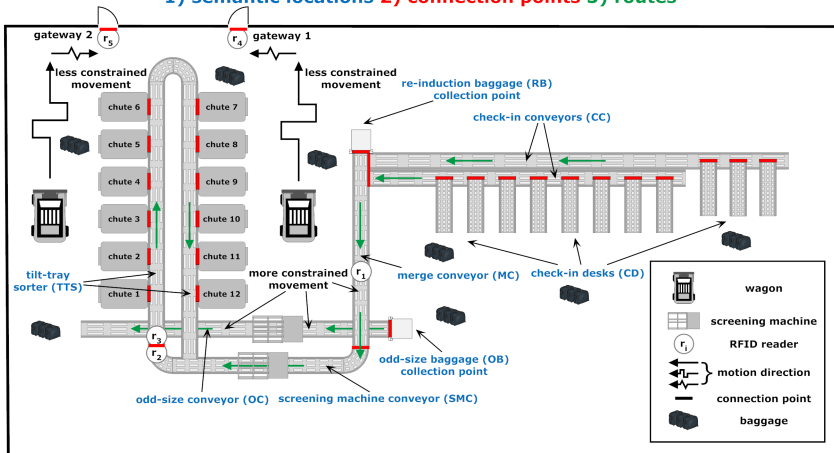


**Aalborg Airport apron
an outdoor space (o-space)**



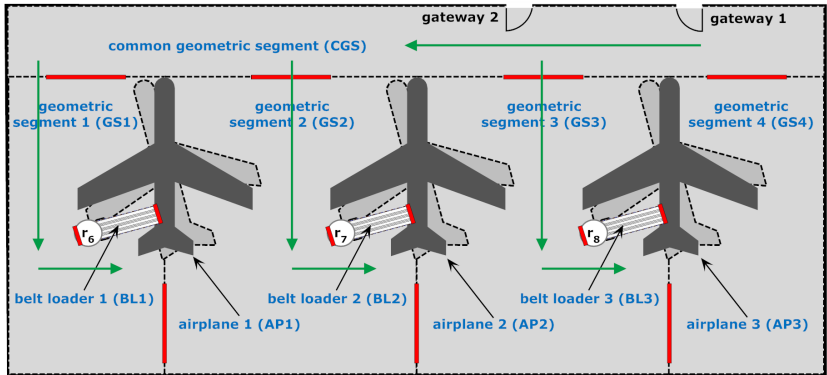
a unified oi-space model

1) semantic locations 2) connection points 3) routes



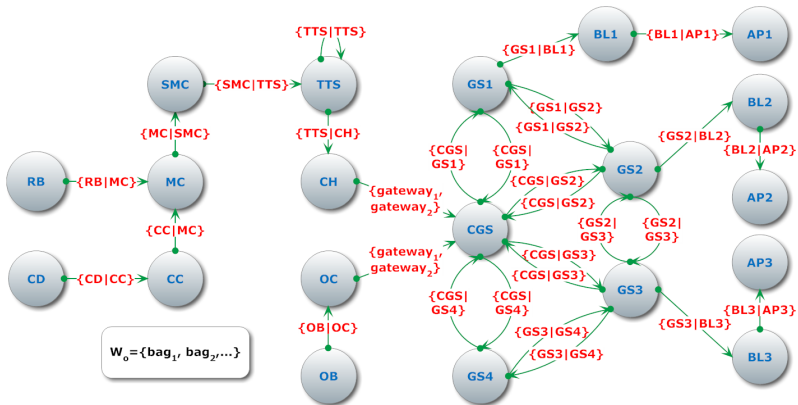
hall space plan

1) semantic locations 2) connection points 3) routes

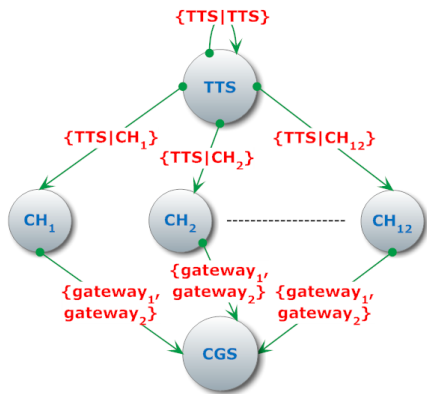


apron space plan

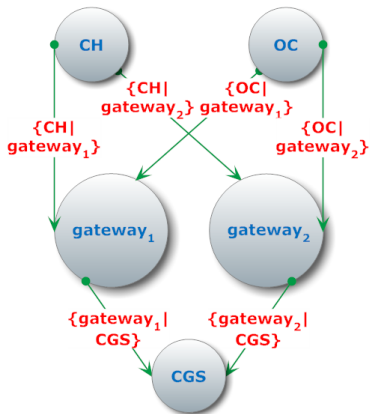
1) semantic locations 2) connection points 3) routes



a unified oi-space model



flexible model



permit alternative interpretations

a unified oi-space model



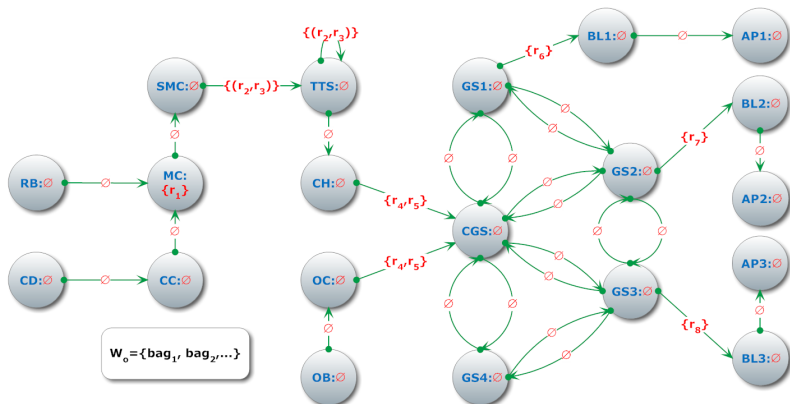
**Aalborg Airport
RFID readers deployment**

← 3 guidelines



an RFID readers deployment model

1) semantic locations 2) readers positioning 3) routes



an RFID readers deployment model

Thank You!