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Recherche en informatique ambiante

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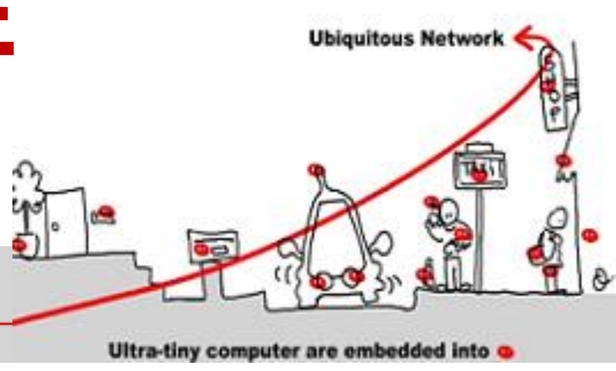
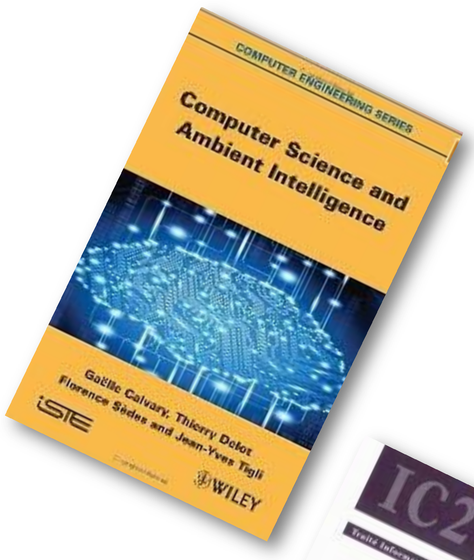
RECHERCHE EN INFORMATIQUE AMBIANTE *(I3S/UNS/CNRS)*



« Silicon-based information technology, is far from having become part of the environment »

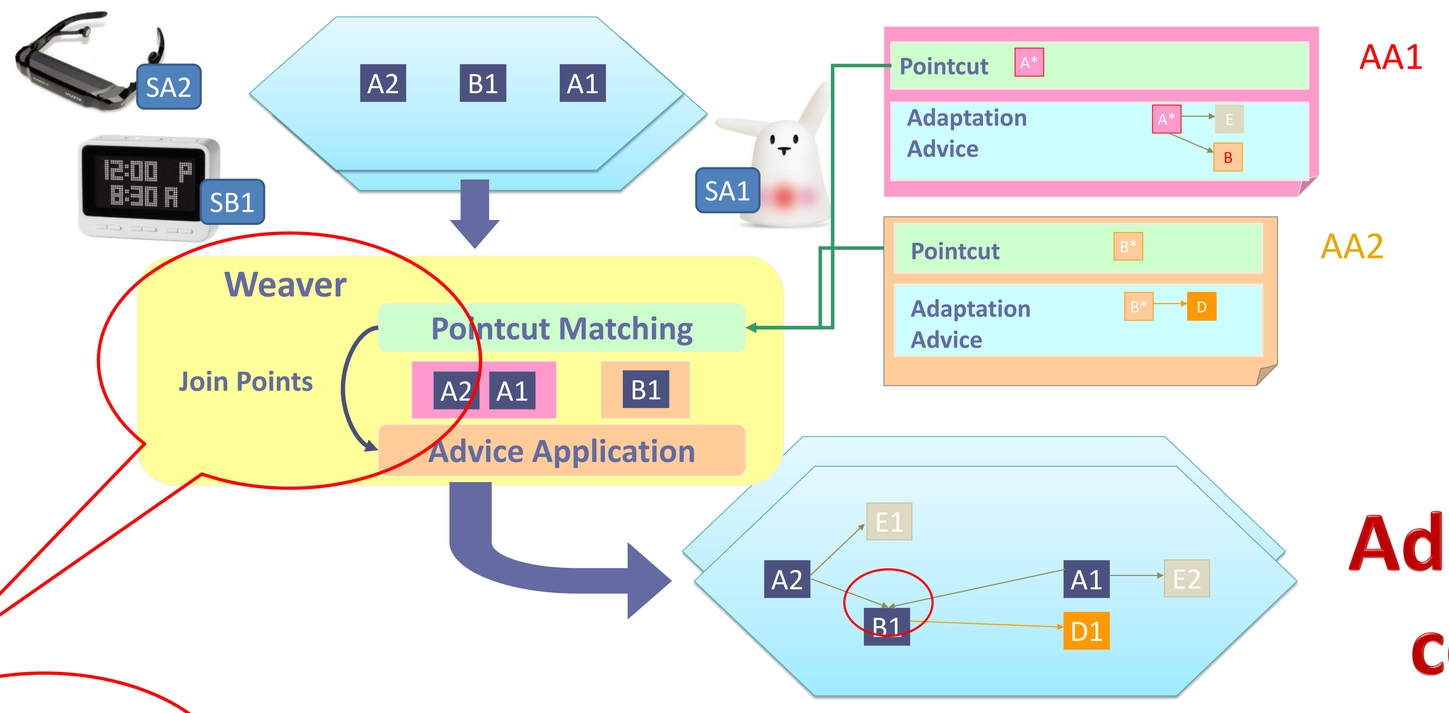
Mark Weiser, Scientific American, Vol. 265 N.9, pp. 66-75, 1991



« Calm Technology » ou « mettre en œuvre une intelligence collective logicielle entre les Objets Communicants pour mieux servir l'usager »

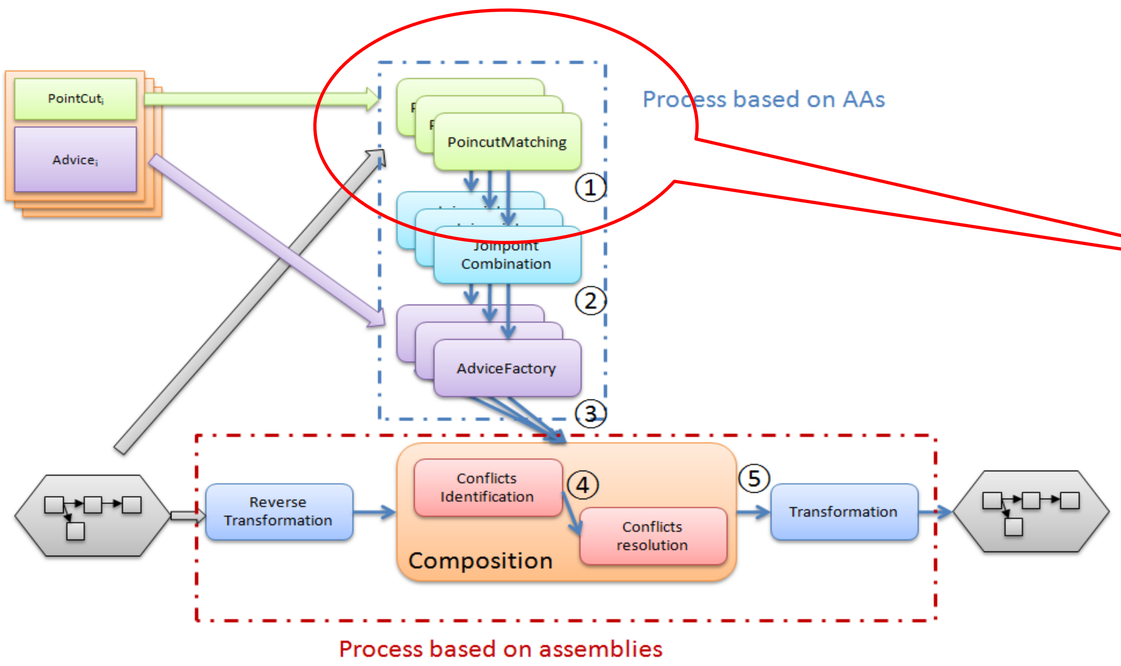
Weiser & Brown. "Designing Calm Technology", PowerGrid Journal, v 1.01, 1996

Composition de services et Modèle LCA - SLCA dérivés des graphes annotés



Raisonnement Sémantique

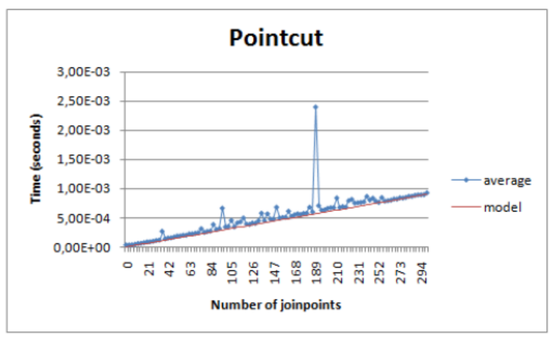
Adaptation et cohérence



Algorithm 1 $PointcutMatching(JPoint, PointCut_i)$

l_{ij} : a list of ports (joinpoint) where $l_{ij} = port_{ij00}, ..., port_{ijnz}$ and j is the number of list which is equal to the number of rules in $PointCut_i$
$LJPoint_i$: a set of joinpoint lists where $LJPoint_i = \{l_{io}, ..., l_{ij}\}$
$JPoint$: the set of ports from the base assembly $port_{00}, ..., port_{nz}$ y.

create $LJPoint_i$
for $s = 0$ to j do
  Add a new list l_{is} to $LJPoint_i$
  for $t = 0$ to card(JPoint) do
    if JPoint[t] satisfy the rule $Rule_{is}$ then
      Add JPoint[t] to the list l_{is}
    end if
  end for
end for



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