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Recherche en informatique ambiante

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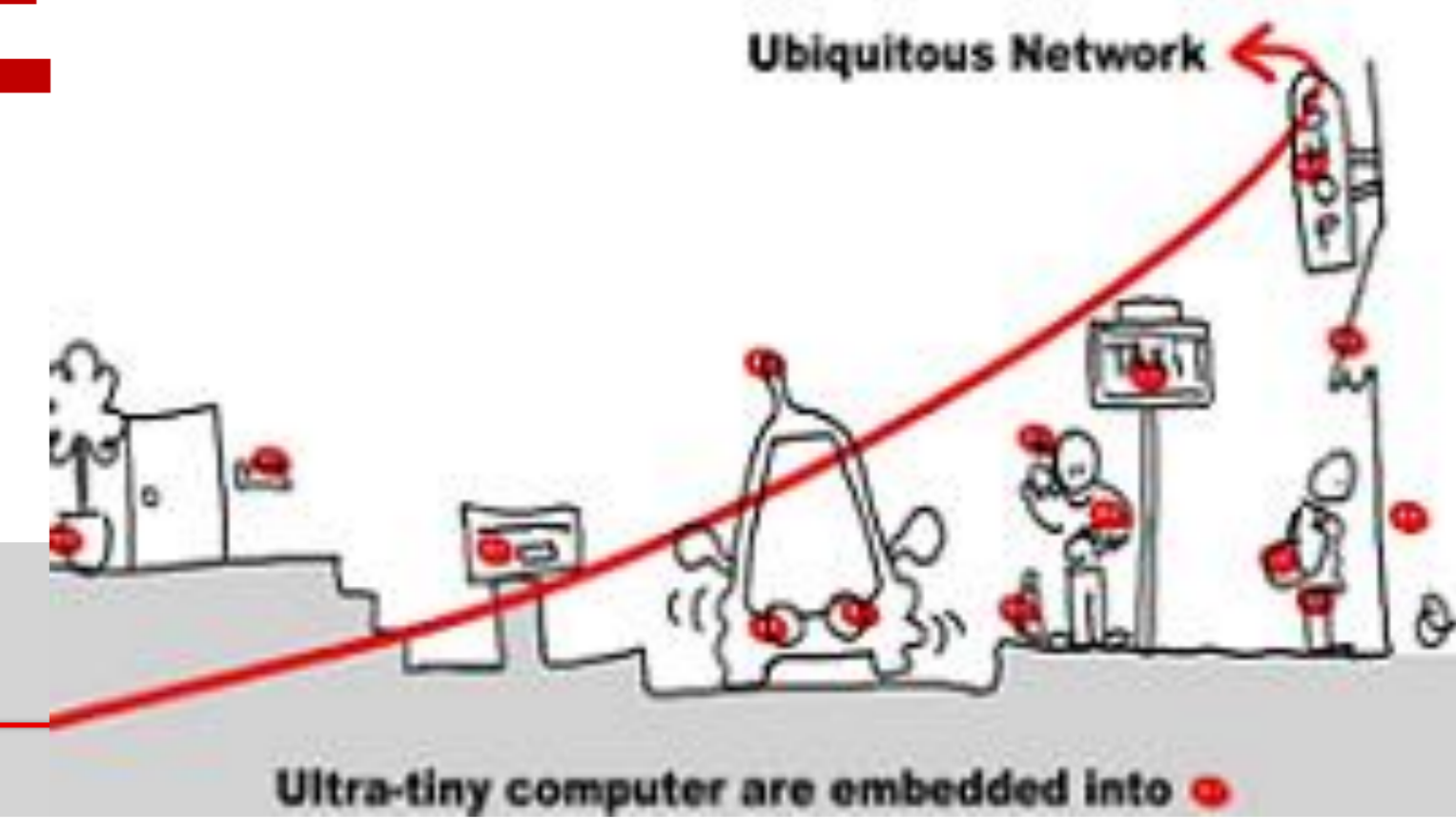
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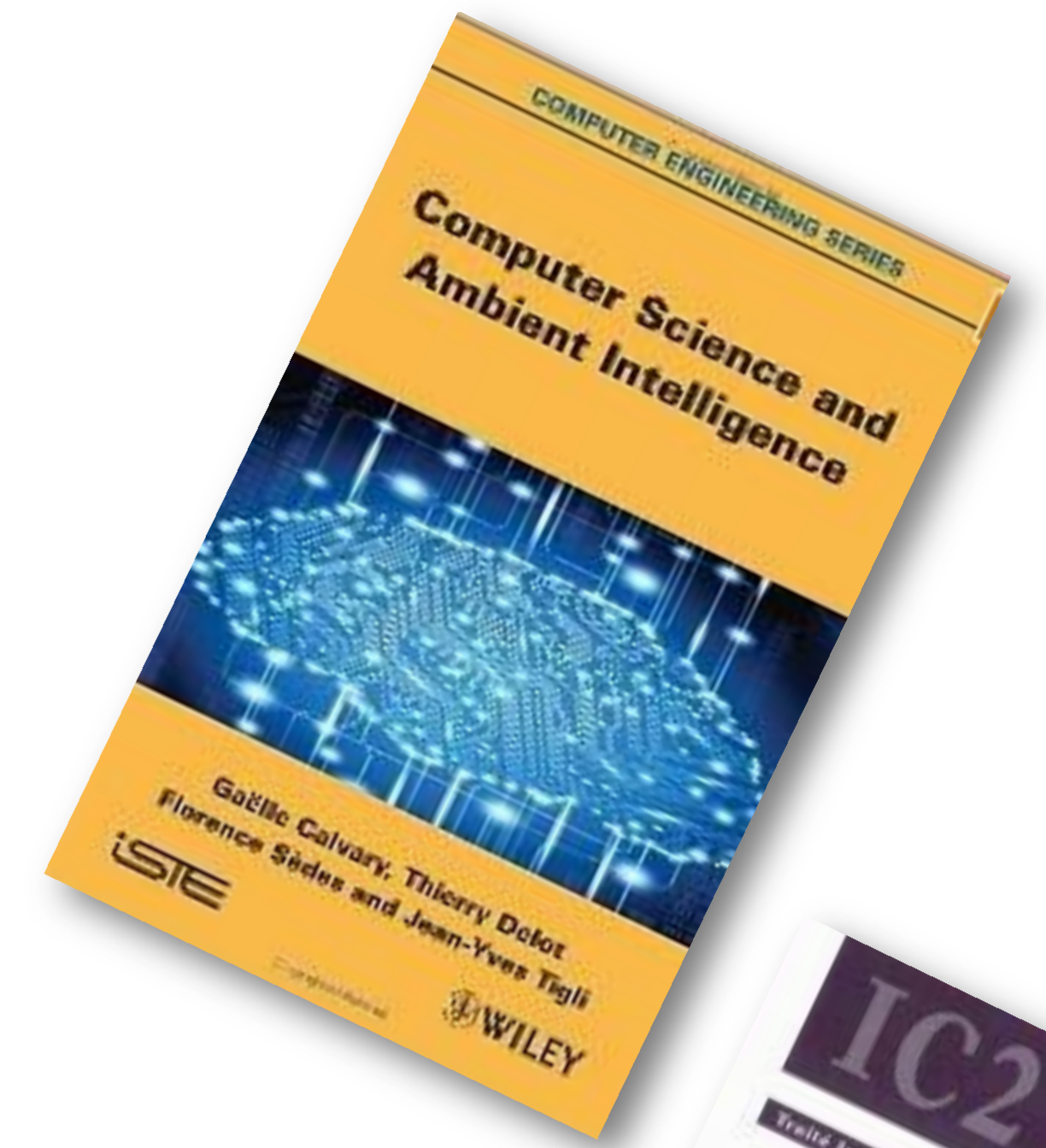
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RECHERCHE EN INFORMATIQUE AMBIANTE (I3S/UNS/CNRS)



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

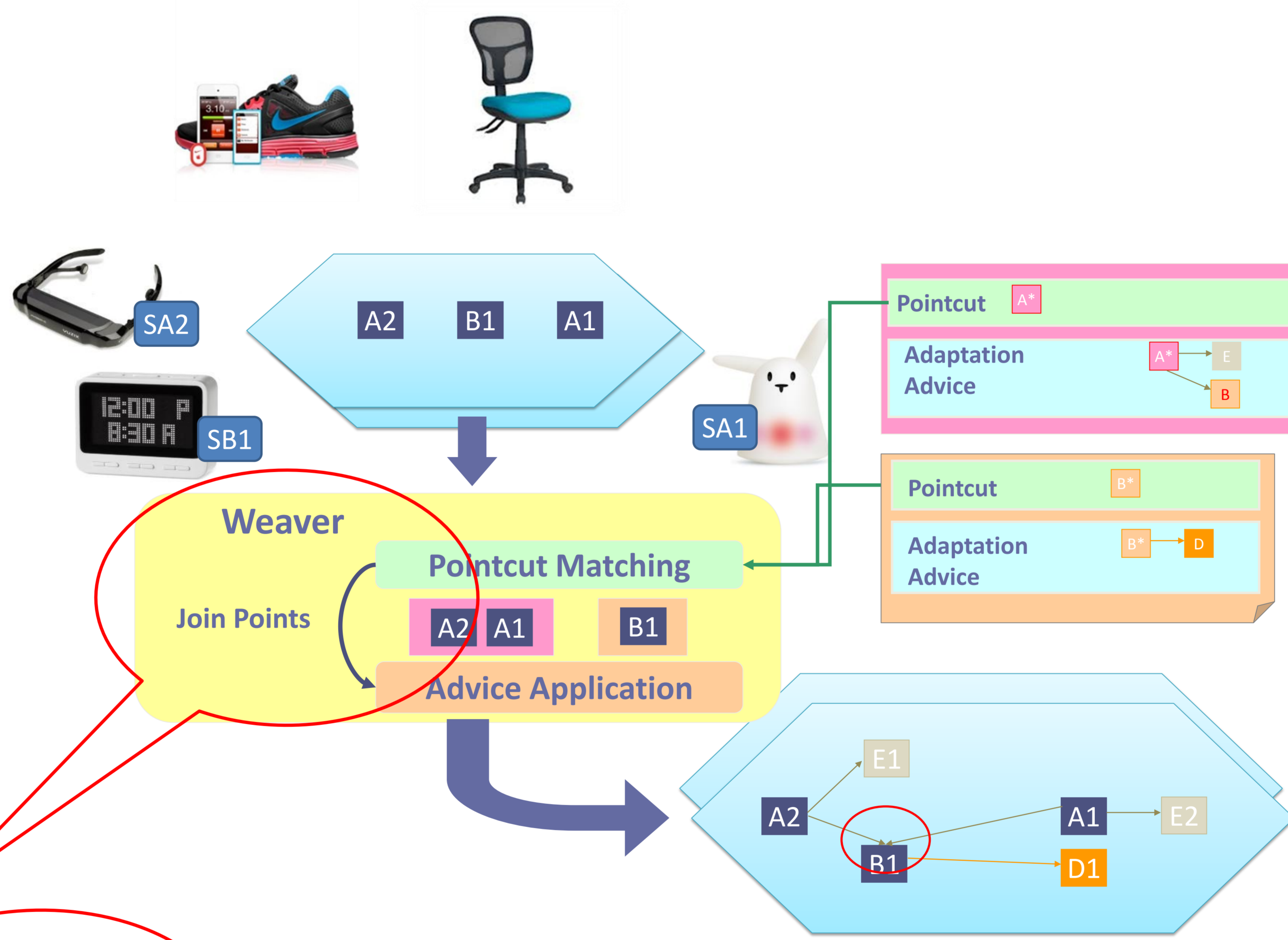
Mark Weiser, *Scientific American*, Vol. 265 N.9, pp. 66-75, 1991



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

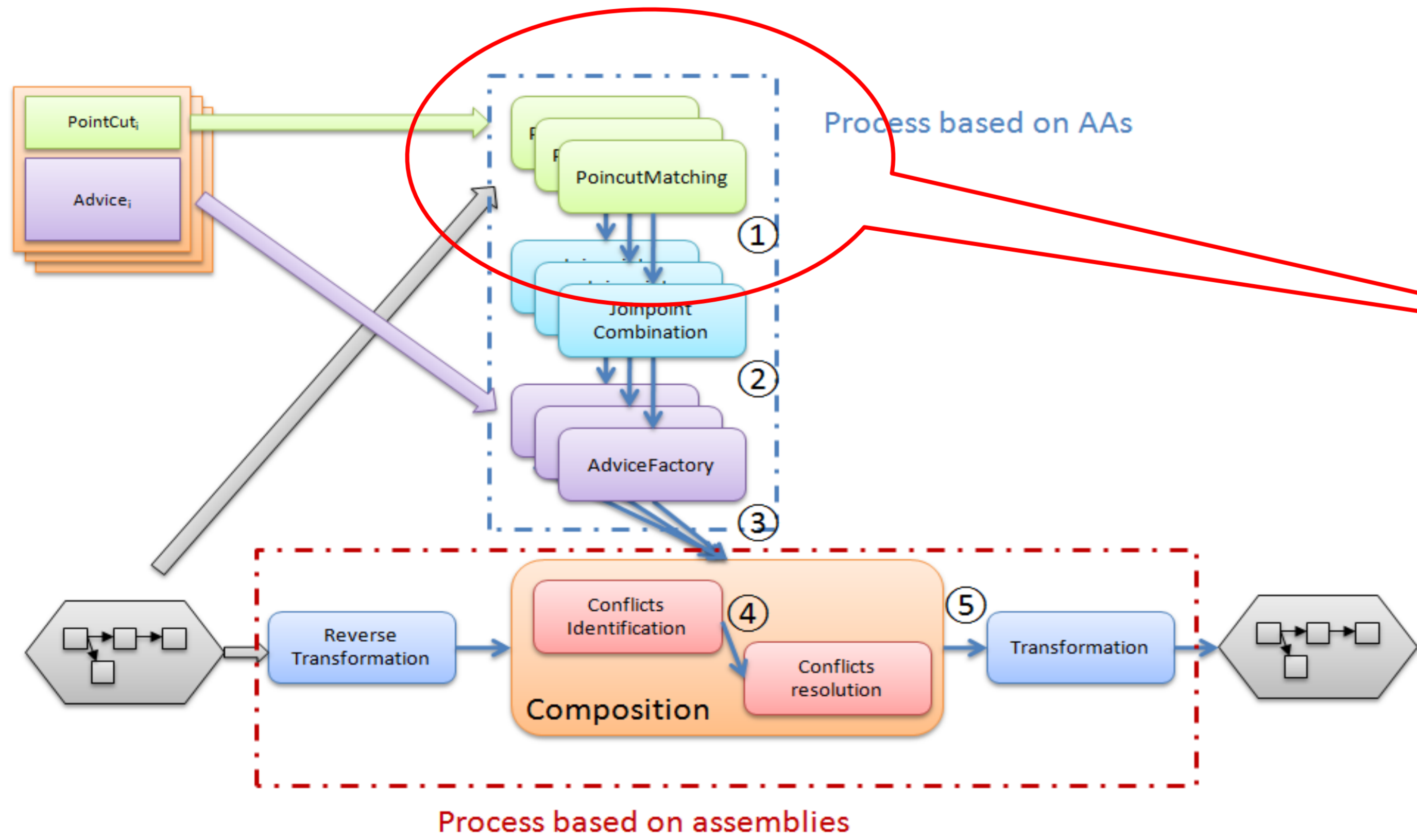
Weiser & Brown. "Designing Calm Technology", *PowerGrid Journal*, v 1.01, 1996

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



Raisonnement Sémantique

Adaptation et cohérence



Algorithm 1 *PointcutMatching*($JPoint, PointCut_t$)

l_{ij} : a list of ports (joinpoint) where $l_{ij} = port_{i,j_0}, \dots, port_{i,j_n}$ and j is the number of list which is equal to the number of rules in $PointCut_t$

$LJPoint_t$: a set of joinpoint lists where $LJPoint_t = \{l_0, \dots, l_j\}$

$JPoint$: the set of ports from the base assembly $port_{00}, \dots, port_{n2}, y$.

```

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

