



Technology Trends of Context Aware Computing Applications

(S.Y. Lim)
(J.D. Huh)



가

I.

(context aware computing)

가

가

가

가

가

(context),
aware applications)

(context

1.

II.

가

가

	Schilit	Theimer	[5],[6].
가		(real	[7],[8].
world)	(entity)		
		가	
가			가가
	(tour guide)		
'tour site' 3	가		(ID,)
	2		(, , ,)
	가		(, ,)
	가 (tour site)		(, ,)
			(, , ,)
			(, , ,)
	tour	가	-가 (, , , ,)
			-가 (, ,)
			(, , ,)
			-
[1] - [4].			(, , ,)
			(- -)
2.			-
	1994 Schilit	Theimer	3.



가

가

가

[9],[10].

3가

가

(presentation)
(execution)
(tagging)

(personalized)

가

(, ,)

가

2가
가

가

가

가

[14],[15].

(abstraction),
(interpretation)

(aggregation) 3가
[7],[11] - [13].

가

가

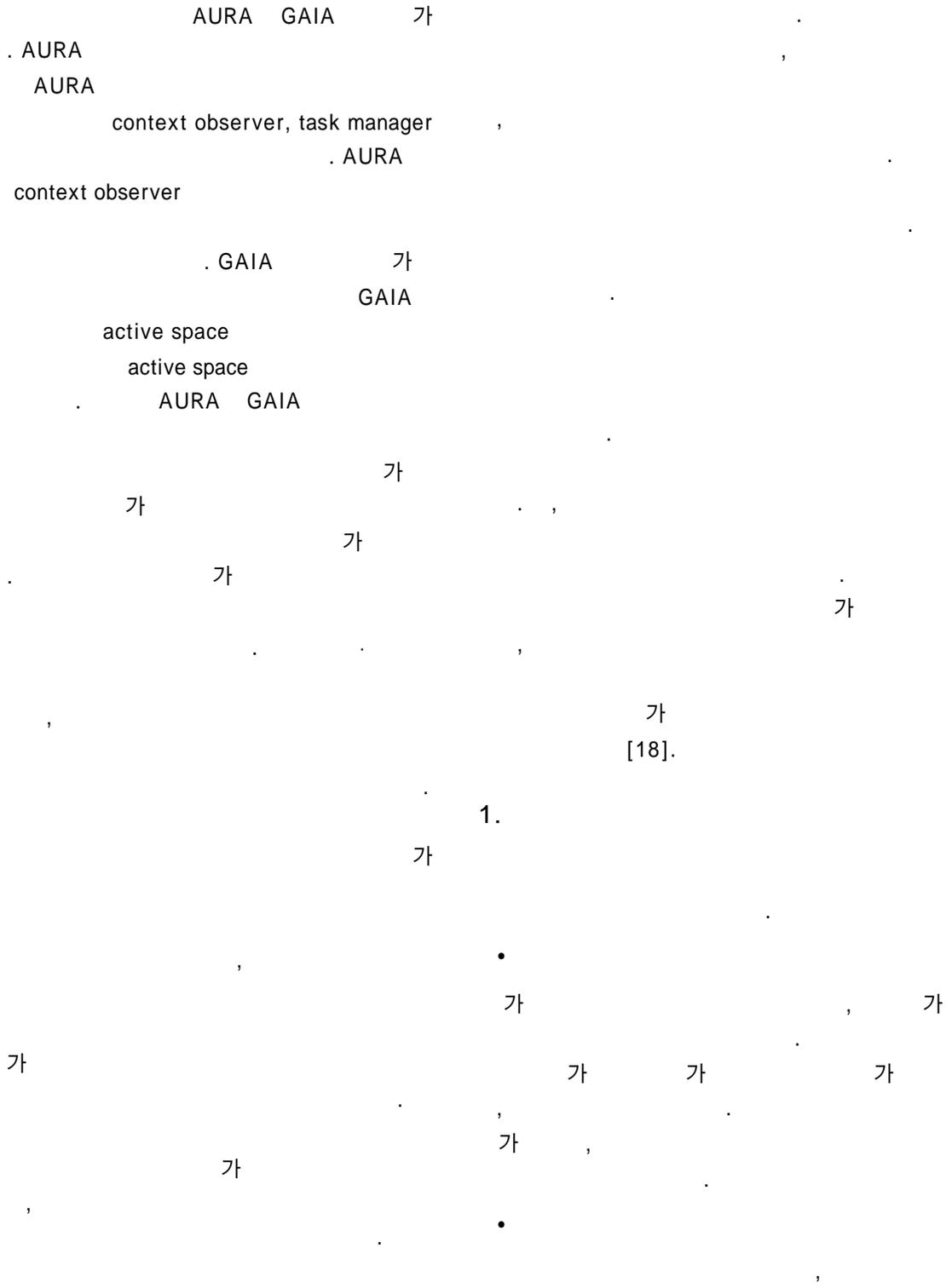
가

III.

가

가

[16],[17].



• IR/RF/

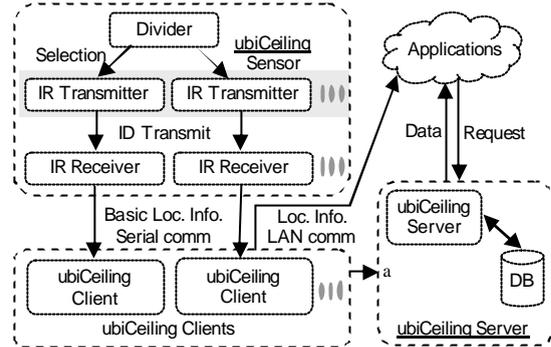
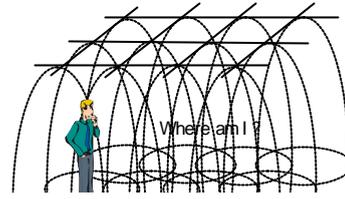
가

. RF

ubiCeiling

U-VR
IR

(1)



(1) ubiCeiling

MCCB(Multimedia
Computing, Communication & Broadcasting)

((2)



(2)

가

가
가

가
가

가 [18].

가

MPEG-21
MPEG-21

2.

(State University of

Campinas) TINA-

가 (Virtual Home Environment: VHE) (Personal Service Environment: PSE) 가 , , A , BSD (session layer mobility) 가 , A B A UC ICEBERG (http://iceberg.cs.berkeley.edu/) , (3) (waiting port) B A

TCP

3C (Computing devices, Communication links, Contents resources)

BSD

(migration message)

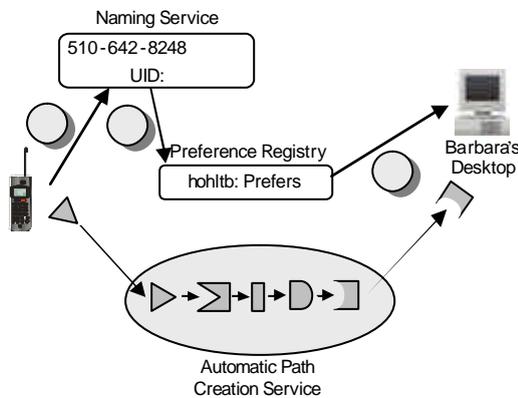
(4)

(terminal mobility)

IP

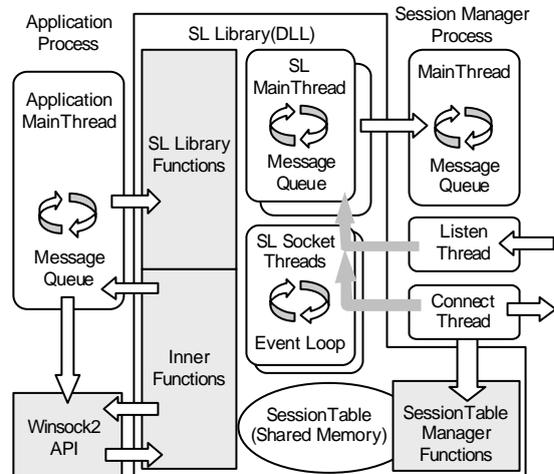
(service

mobility)



(3) UC

ICEBERG



(4)

Tampere University of Technology
 (signal processing laboratory)
 TV
 (Broadcast Service Provider: BSP),
 (Interaction Service Provider: ISP),
 STB
 가 BSP
 ISP
 가

IV.

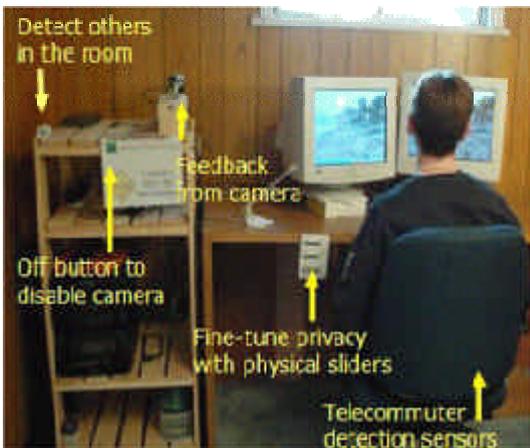
1.

가.

GeorgiaTech Future Computing Environments(FCE) Group
 Context Toolkit(CT) [8]. CT
 context widget, context widget server,
 context widget server
 interpreter . CT 가

RCSM(Reconfigurable Context Sensitive Middleware)

5) . ((interface definition language)
 [10].

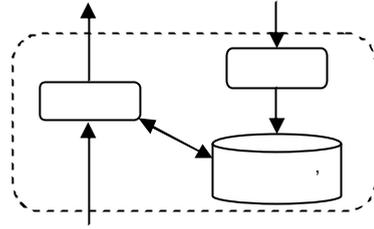


(5)

가
 Aura . Aura
 task manager, context server, 가
 environment manager, service provider가
 가

Aura

[19].



(6)

가

가

가

3.

가

가

2.

server interpreter
 Server context widget
 가 , interpreter

가

가 (context wid-
 get, server, interpreter)가

abstraction

(6)

get , attribute(context wid-
), callback(가
), condition(subscribe 가
) 가

abstraction

가

가

가

가

V.

가

가

가

가

가

4.

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GGF(Global Grid Forum)

OGSA

(Open Grid Services Architecture)

OGSA

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