An intelligent environment which acts as a knowledge aid to support collaborative teleconferences and meetings



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Ai Austin Virtual University of Edinburgh

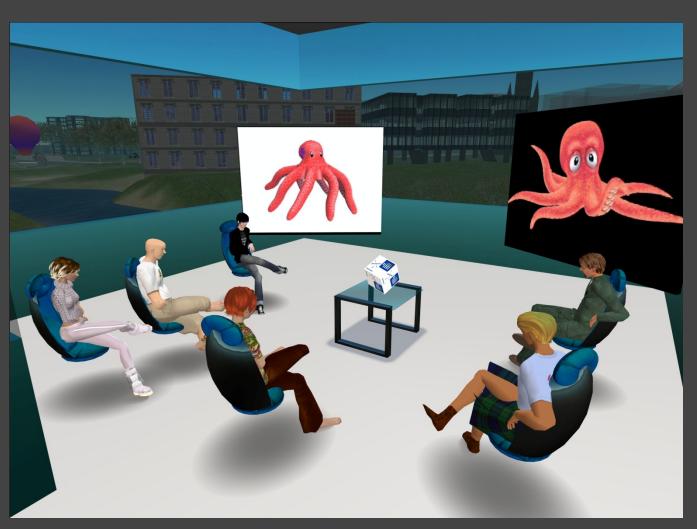


Low cost, simple setup, mixed-reality meetings spaces





Distributed collaborative team support for production and review in the creative industries



Operations Centres, Brainstorming Spaces, Team Meeting Rooms, Training and Review Areas



Tutorial and commercial spaces



I-Room Introduction

- I-Room provides a 3D virtual space with multiple work zones, designed for collaborative and brain storming style meetings
- I-Rooms are used in the I-X research on intelligent collaborative and task support environments
- The main feature of the I-Room is the link up with external web services, collaboration systems and intelligent systems aids



I-Room Applications

- Virtual collaboration centre
- Business teleconferencing
- Team Meetings for project and product reviews
- Product Help Desks
- Design to Product product lifecycle support
- Environment, building and plant monitoring
- Health and safety at work, disability awareness
- Intelligent tutors, guides and greeters
- Active demonstration pavilions



I-Room Integration

- The I-Room 3D virtual space is linked to a social networking and community knowledge management web portal in OpenVCE.net
- Recent experimental use of the I-Room and OpenVCE for the "Whole of Society Crises Response" (WoSCR) community in the conduct of emergency response and crisis management
- This is intended as a contribution to the wider notions of "The Helpful Environment"



VCE for WoSCR

- Whole of Society Crisis Response Community
- Cognitive Work Analysis of Requirements and Technologies
- Virtual Collaboration Environment:
 - Web-based portal
 - Virtual interaction space
 - Community tools inclduing I-Room
 - Collaboration protocols
- OpenVCE.net



Open Virtual Collaboration Environment

- Web-based Collaboration Portal
 - Drupal CMS
 - Also explored Facebook, Google Groups, Yahoo Groups, Ning Groups, Grou.ps, Joomla CMS
 - Linkups to external web services and gadgets
- Virtual World 3D Space
 - Second Life
 - Opensim (potentially behind a firewall)
- Virtual Collaboration Protocol
 - Standard Operating Procedures
 - FAQ and Tips
 - Protocol (Rob Cross, University of Virginia)
- Community Tools
 - AIAI I-Room a Room for Intelligent Interaction
 - CMU Catalyst Community Knowledge base
 - Concept Maps, and Experimental 3D Model Visualizations





Austin Tate

- Home
- Messages
- Blogs
- o Forums
- Wiki
- Events
- □ Files
- Images
- Videos
- More content
- Create content
- o FAQ
- Links
- My profile
- Log out

3D space

teleport now

Access: Chat, Wave, HW, QT [Setup/Help, Register avatar] [Terminals, Presenter, Blogger]

Event calendar

«	April					»
S	M	Т	W	Т	F	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	



Welcome to the OpenVCE community portal. All content is community-created, so become a registered user and start contributing!

Forthcoming events

Federal Consortium for Virtual Worlds Conference 2010	2 weeks 5 days from now	contact: Austin Tate
WoSCR Community - Possible Virtual Iterative Workshop Series - VIWS-4	5 weeks 2 days from now	contact: Austin Tate

Current discussions



OpenVCE envisioned site structure started by Jeff Hansberger, last reply by Austin Tate 28 weeks ago



The weakest link started by ac, last reply by erapisardi 4 weeks ago



Expt Case 0 H1N1 Forum started by Austin Tate, last reply by Jeff Hansberger 18 weeks ago

more

What are you doing?

Austin Tate Meeting Ken Anderson of Project EPIC - see http://sn.im/tweakt max 140 characters Send





Austin Tate Writing paper on OpenVCE support to WoSCR for KSCO-2010 http://ksco.info/ksco-2010.html 2 days



Ifuentes Preparing a presentation to the Virginia Local Government IT Executives (VALGITE) for Apr 26 on VOICCE 3 days ago

Search this site:

Search

Search the Wiki:

Search

I-Room Concept Maps Second Life QOC Shared Media IZone QOCTale Lounge

Who's online

There are currently 1 user and 6 guests online.



Austin Tate

Latest wiki updates

PMESII-Tools 3 weeks 6 days ago

PMESII-Tools 3 weeks 6 days ago

PMESII-Tools 4 weeks 1 day ago

VOICCE 6 weeks 2 days ago

Main Page 6 weeks 3 days ago

more

What's happening



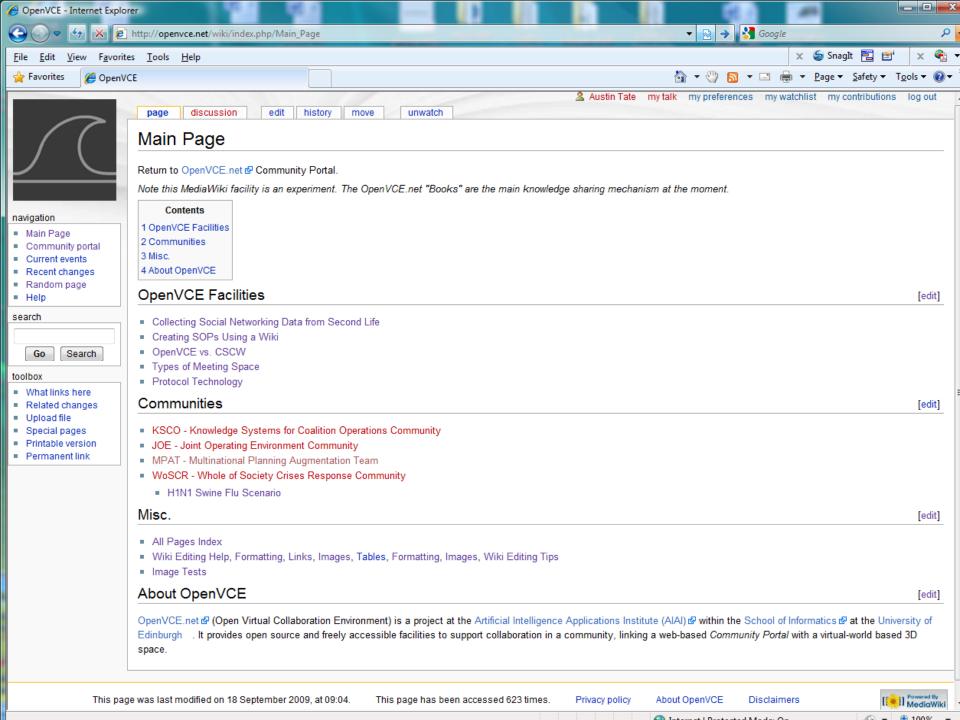


Austin Tate has updated I-Zone and I-Room - A Virtual Space for

OpenVCE Portal – Roles of Elements

- Blog personal web log
- Forum threaded discussion within community
- Wiki community knowledge creation and refinement
- Book Pages edited content and index pages (change by admins and group leaders only)
- Comment can be added to most elements















Links between Web Collaboration Portal and 3D Space



Virtual Collaboration Protocol

- 7 main phases of the VCP (Rob Cross):
 - identify problem dimensions (asynchronous)
 - agree problem dimensions (synchronous)
 - describe relevant experience per dimension (asynchronous)
 - discuss experience and decide on sub-teams addressing different problem dimensions (synchronous)
 - subgroup work on different dimensions (asynchronous)
 - presentation of solutions (synchronous)
 - solution integration (asynchronous)
- OpenVCE Web Portal supports asynchronous work
- OpenVCE I-Room supports synchronous work



OpenVCE – Community Tools

- I-Room Space for Intelligent Interaction
- Catalyst Community Knowledge Base
- Cmaps Concept Mapping
- Modelling Experimental 3D Visualizations
- Collaborative Shared Media



I-Room: Mixed-initiative Collaboration

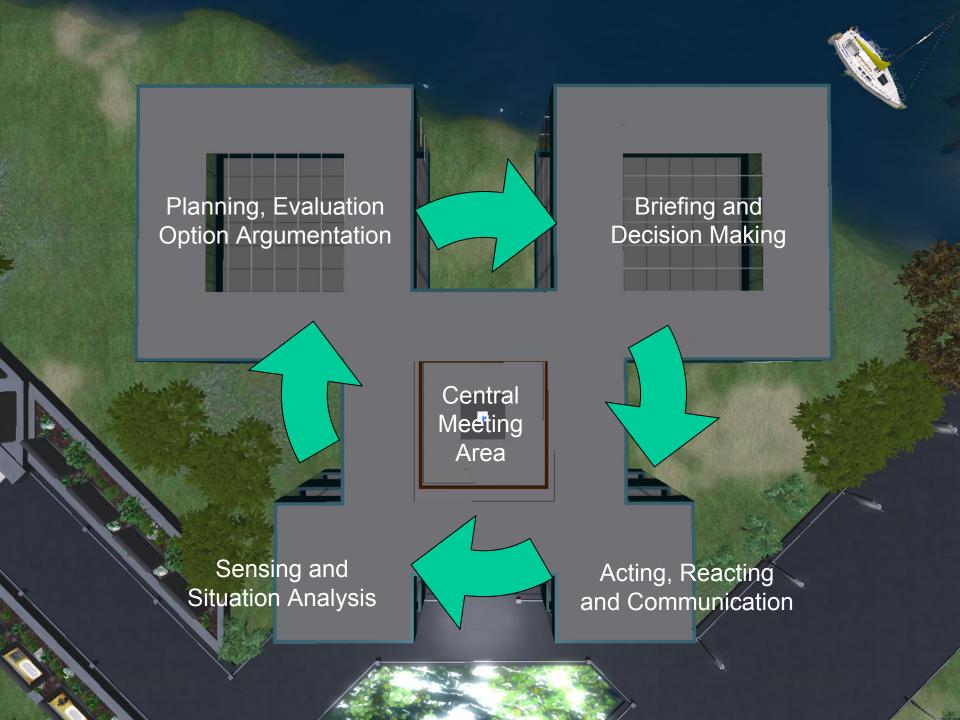
Truly distributed mixed initiative collaboration and task support is the focus of the I-Room, allowing for the following tasks:

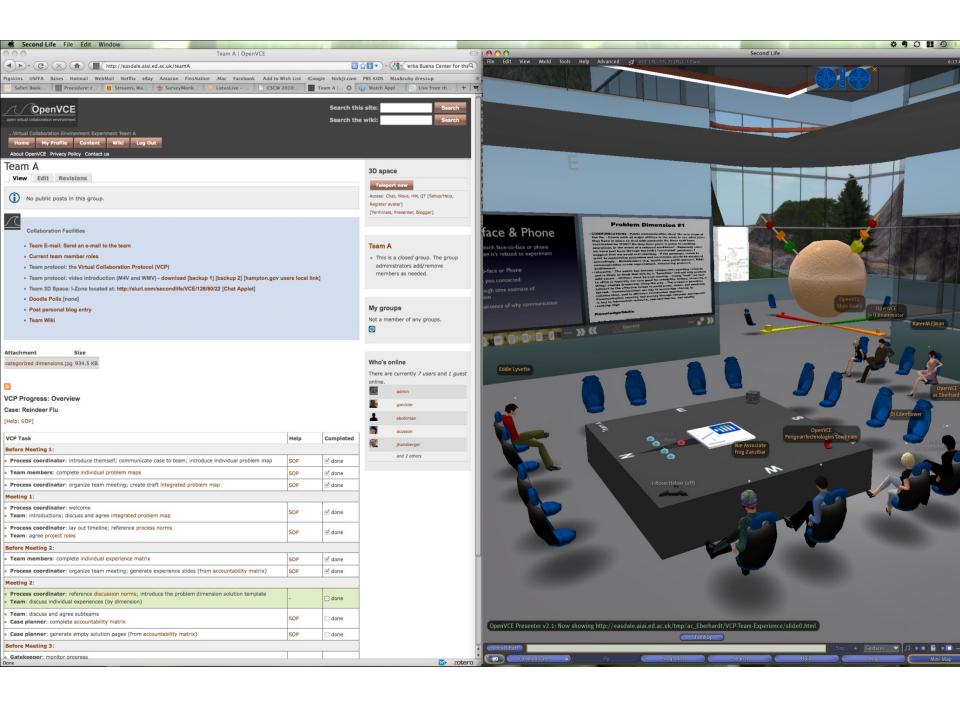
- situation monitoring
- sense-making
- analysis and simulation
- planning
- option analysis
- briefing
- decision making
- responsive enactment











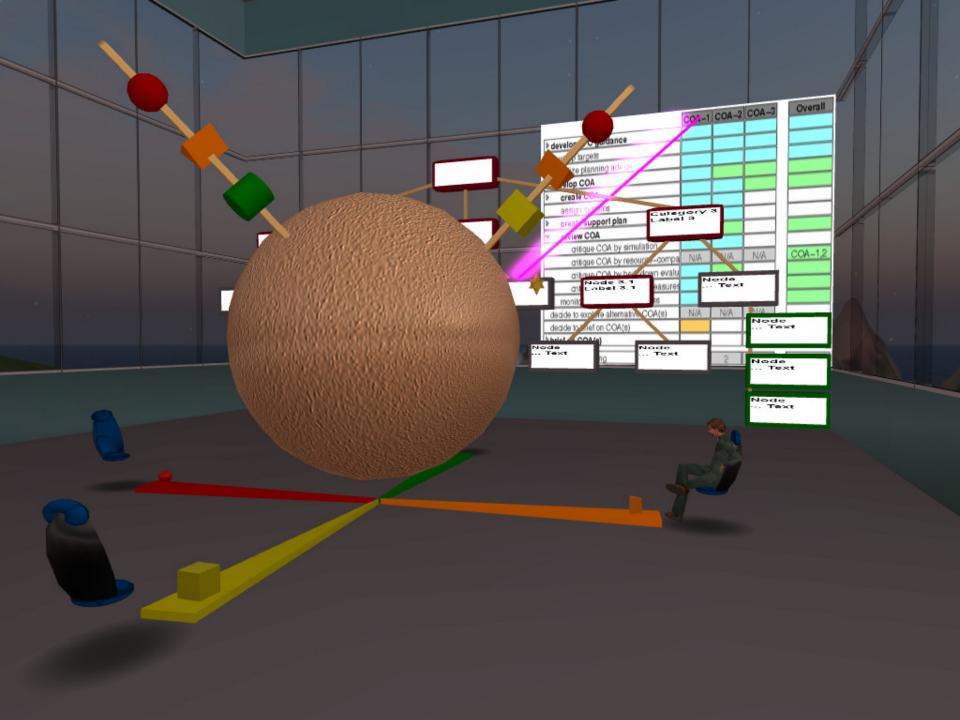


⊕ Home Office JOC □ ■ ■ ■						
File New Edit Tools Help						
Issues						
	Description	Annotations	Priority	Action		
	Consider how to handle newcomers		▼ Normal	▼		
A	tivities					
	Description	Annotations	Driority	Action		
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	start-meeting I-Room-Demo		Normal	Refine using start-meeting		
	welcome-participants I-Room-Demo		√Normal	∨ Done		
	note-apologies I-Room-Demo		✓ Normal	∨ Done		
	agree-end I-Room-Demo		√ Normal	∨ Done		
	agree-previous-minutes I-Room-Demo		→ Normal	✓ Done		
▽	address-action-items I-Room-Demo		✓ Normal	∨ Refine using address-action-items		
	discuss-action "Davie Munro" "Obtain Security Service Input"		▼ Normal	▼		
	discuss-action "Ai Austin" "Read Ops Pineapple Briefing"		▼ Normal	▼		
	address-agenda-items I-Room-Demo		▼ Normal	▼		
	discuss-any-other-business I-Room-Demo		▼ Normal	▼		
	finish-meeting I-Room-Demo		▼ Normal	-		
	setup-next-meeting		▼ Normal	▼		

JOC |-Room Process Panel | Based on I-X Technology



Home Office JOC					X
File New Edit Tools Help					
Issues					
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	agree-end I-Room-Demo	▼ Normal ▼ Done			
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	discuss-action "Davie Munro" "Obtain Security Service Input"		▼Normal	▼	
	discuss-action "Ai Austin" "Read Ops Pineapple Briefing"		▼Normal		
	address-agenda-items I-Room-Demo	▼ Normal		Done	
	discuss-any-other-business I-Room-Demo	▼ Normal			
	finish-meeting I-Room-Demo setup-next-meeting	▼ Normal		N/A	
	setup-next-meeting	▼ Normal	Escalate to Cabinet Office		
				Pass to MoD	
		Pass to OGD			
				Delegate to Local Government	
				Delegate to Emergency Services	
				Delegate to Security Service	
I-C I-Room Process Panel				Carry to next meeting	
Based on I-X Technology					I-X





... open virtual collaboration environment

http://openvce.net

Slides at http://www.aiai.ed.ac.uk/~ai