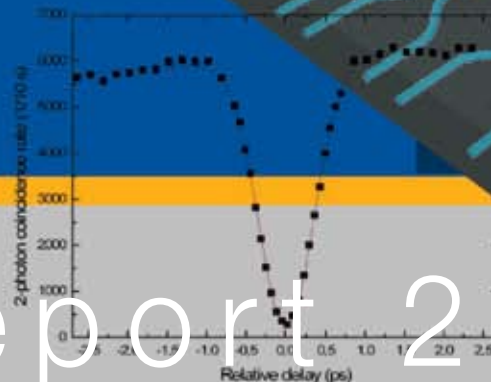
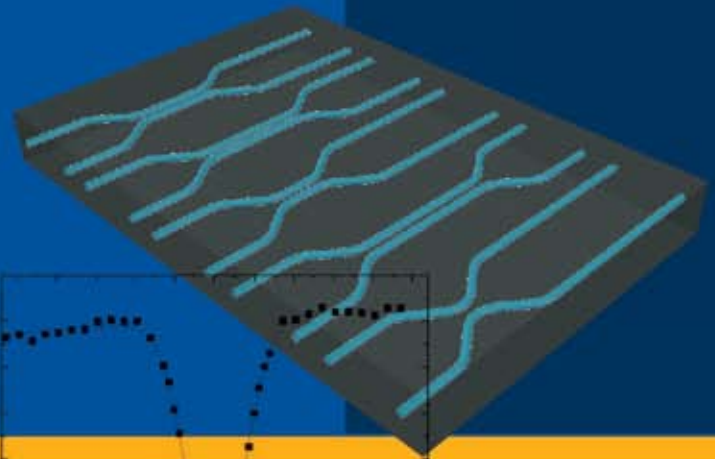
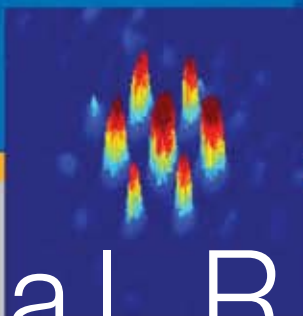
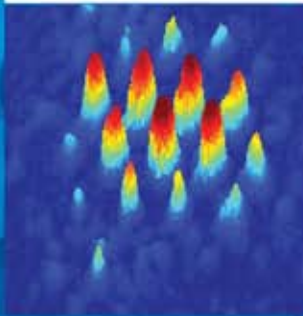
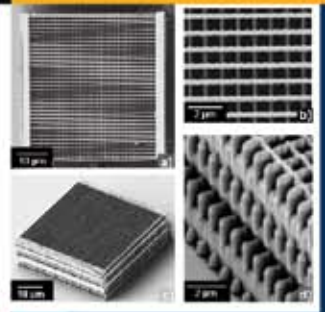
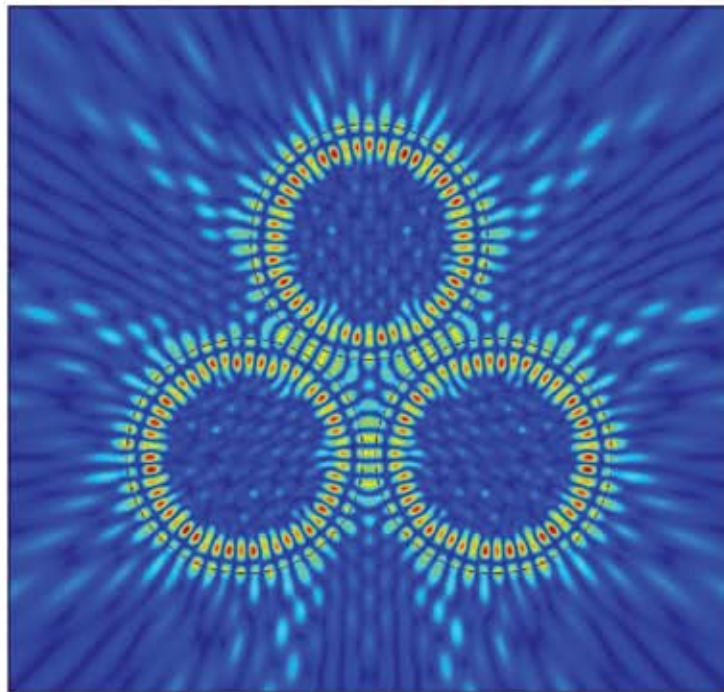
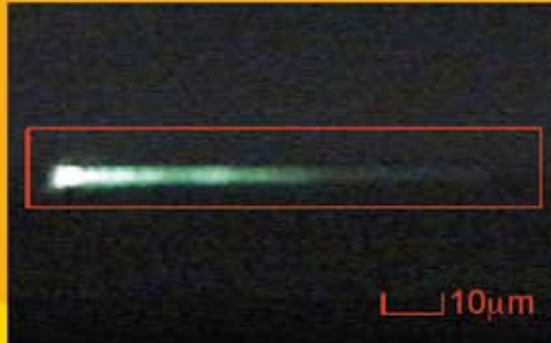


CUDOS

The Centre for Ultrahigh bandwidth Devices for Optical Systems (CUDOS)



Annual Report 2008

Performance Indicators

Key Result Area	Performance Measure	Target	Outcome
Research findings and competitiveness			
	Quality of publications	Impact factor > 3 for top 40 publications	4.3 (note 1)
	Number of publications	70	81
	Number of patents filed	3	3
	Invitations to address and participate in international conferences	15	> 40
	Invitations to visit leading international laboratories and seminars	10 (if seminars at labs)	>>10
	Number and nature of commentaries about the Centre's achievements	5	>100; see Publicity section
	Cash income from Non-ARC grants/ research contracts which contribute to Centre operations (note 1)	15% of ARC grant 2008 – 20% in 2010	17% (State Commonwealth and industry)
	In-kind income from Non-ARC grants/ research contracts which contribute to Centre operations (note 1)	10% of ARC grant – 20% in 2010 (person years plus access to collaborator equipment)	>15%
Research training and professional education			
	Number of postgraduates recruited	10	18
	Number of postgraduate completions	5	6
	Number of Honours students	8	8
	Number of professional courses	2	2 (short courses taught at OECC)
	Participation in professional courses	3	>3 (attendance at short courses at CLEO, OECC, OFC)
	Number and level of undergraduate and high school courses in the priority area(s)	5	>5; see Outreach report
	Undergraduate "summer schools" in photonics	1 pa	School taught in 2007 and again in 2009
International, national and regional links and networks			
	Number of papers published with international co-authors/reports for international bodies	10 pa	20
	Number of papers published with cross-node authorship	15 pa	17
	Number of international visitors	15 pa	> 20
	Number of collaborative national and international workshops and exchanges with those from outside the Centre	Host 1 national pa and 1 international pa	2 international; 2 national
	Research projects and engagements with international laboratories	2 during 2008 - 2010	SPLASH collaboration
End-user links			
	Number and nature of commercialisation activities	1	1 (Waveshaper commercialisation)
	Number of government, industry and business briefings	2	> 2 (Finisar, Peregrine, DSRD)
	Number of Centre associates trained/ing in technology transfer and commercialisation	20 during 2008 - 2010	All students receive introductory training in IP



	Number and nature of Public Awareness programs	5 p.a. visits by school groups, public lectures, radio interviews, appearances in the media	>100; see Publicity and Outreach sections
Organisational support			
	Annual cash contributions from Collaborating Organisations	As per agreement	As per agreement
	Annual in-kind contributions from Collaborating Organisations	As per agreement	As per agreement
	Number of new Organisations recruited to or involved in the Centre	3 for 2008	4; RMIT; VUB (Brussels); AMOLF (Holland) St Andrews University
	Level and quality of infrastructure provided to the Centre	\$200k p.a. of infrastructure investment	New facilities at ANU (access) and Macquarie; value > \$200 k
	Annual cash contributions from other organisations	State government grant at 10% of ARC grant	Contribution at 10% level agreed and received
	Annual in-kind contributions from other organisations	Equipment, staff equivalent to \$100k p.a.	Project contributions from collaborators > \$100k equivalent p.a.
Governance			
	Breadth and experience of the members of the Advisory Board	Members drawn from senior roles in academia, government and industry	Members represent all stakeholder areas
	Frequency and effectiveness of Advisory Board meetings	2 p.a. with minutes and actions	1 in 2008.
	Quality of the Centre strategic plan	Minimal deviations from plan as presented in Annual Report	Strategic Plan guides the Centre's activities
	Effectiveness of arrangements to manage Centre nodes	3 executive meetings p.a.	3 meetings in 2008
	The adequacy of the Centre's Key Performance Measures	Determined in conjunction with the Advisory Board	Board has provided advice on KPIs (see Management and Governance section)
National benefit			
	Measures of expansion of Australia's capability in the priority area(s)	1 tenured faculty staff increase p.a. in photonics across CUDOS; 2 new p/g courses introduced 2008 – 2010 catering for how many students?	New Master Photonics course approved in 2008 for introduction at Sydney, catering for 12+ students
	Case studies of economic, social, cultural or environmental benefits	1 case study to be conducted by 2010	None in 2008