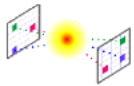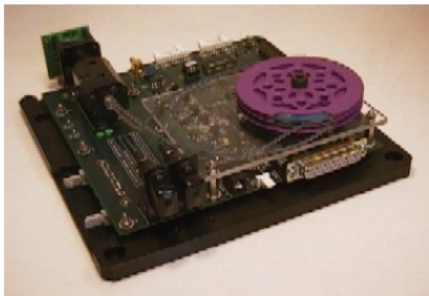**UNIVERSITY OF CAMBRIDGE**

Photonics

University of Cambridge > **Department of Engineering** > **Research** > **Electrical Engineering** > **Photonics** >

Photonics & Sensors Group   **Publications**

- Introduction
- News
- Research Areas
- People
- Publications
- Useful Forms
- Contact & Map

ROSES switch

The following lists are not exhaustive.

2014

- B. Robertson, H. Yang, M.M. Redmond, Collings, J.R. Moore, J. Liu, A.M. Jezio Chapman, M. Pivnenko, S. Lee, A. Wonfor White, W.A. Crossland, and D.P. *"Demonstration of Multi-Casting in a 1 LCOS Wavelength Selective Switch"*, Journ Lightwave Technology, 32(3). pp. 402-410 (201

- S. Nedic, Y.T Chun, W.K. Hong, D.P. Chu, an Welland, *"High performance non-vo ferroelectric copolymer memory based ZnO nanowire transistor fabricated o transparent substrate"*, Applied Physics Le 104(3). pp. 033101-4 (2014)

2013

- H. Yang, B. Robertson, D. Yu, Z. Zhang, and Chu, *"Origin of Transient Crosstalk and Reduction in Phase-only LCOS Wavele Selective Switches"*, Journal of Ligh Technology, 31(23). pp. 3822-3829 (2013)

Clapp, and J. P. Hannington, *"Novel silo based smectic A liquid crystal mate formulation, structures and optical d applications"*, (Invited paper) Organic Photon Electronics - Liquid Crystal XVII (2013)

- Q. Smithwick, J-S Chen, and D Chu, *"A Co Integral Holographic Display"* , SID Sympo Digest of Technical Papers, 44: 310–313. (201

- J-S Chen, Q Smithwick, and D *"Implementation of shading effect reconstruction of smooth layer-based holographic images"* , Proceedings of SPIE International Society for Optical Engineering, 8 ISSN 0277-786X (2013)

- BC Bayer, C Castellarin-Cudia, R Blume, Steiner, C Ducati, D Chu, A Goldoni, A K Gericke, R Schlögl, C Cepek, J Robertson, a Hofmann, *"Tantalum-oxide catalysed cher vapour deposition of single- and multi-w carbon nanotubes"*, RSC Advances, 3. pp. 4092 (2013)

- H. Yang, B. Robertson, D.P. Chu, *"A intrusive in situ method of optical b profiling in LCOS-based optical fiber switc* Optics and Lasers in Engineering, 51(7). pp. 920 (2013)

- H. Yang, B. Robertson, and D. Chu, *"Tran Crosstalk in LCOS Based WSS and a Meth Suppress the Crosstalk Levels"*, Optical Communication Conference, OW1C.3 (2013)

- J-S Chen, Q.Y J Smithwick, and D. *"Implementation of shading effect reconstruction of smooth layer-based holographic images"*, Proc. SPIE 8 Stereoscopic Displays and Applications 86480R (2013)

2012

- H. Xu ; A. B. Davey ; W. A. Crossland and
  Chu, *"UV durable colour pigment doped*
  liquid crystal composites for outdoor t
  reflective bi-stable displays" , Proc. SPIE 8
  Liquid Crystals XVI, 847506 (2012)

- Young Tea Chun and DP Chu, *"Zinc C*
  nanowire transistor nonvolatile memory w
  ferroelectric polymer interlayer" , 12th
  Conference on Nanotechnology (IEEE-NA
  pp.1,4, 20-23 (2012)

- Z Zhang, H Yang, B Robertson, M Redmon
  Pivnenko, N Collings, WA Crossland, and DP
  "Diffraction based phase compensation me
  for phase-only liquid crystal on silicon de
  in operation" , Appl Opt, 51. pp. 3837-
  (2012)

- F Torrisi, T Hasan, W Wu, Z Sun, A Lombard
  Kulmala, GW Hsieh, S Jung, F Bonaccors
  Paul, DP Chu, AC Ferrari, *"Inkjet-pr*
  graphene electronics" , ACS Nano, 6. pp. 2
  3006 (2012)

- WN Chen, DP Chu, and SP Li, *"Air s*
  complementary polymer circuits fabricate
  ambient condition by inkjet printing" , Org
  Electronics: physics, materials, applications
  pp. 98-103. ISSN 1566-1199 (2012)

- B. Robertson, H. Yang, M. M. Redmond
  Collings, J. Liu, A. M. Jerziorska-Chapman,
  Moore, Z. Zhang, W. A. Crossland, A. Wonf
  H. White, S. H. Lee, and D. Chu, *"The Us*
  Wavefront Encoding to Reduce Crosstalk
  Multicasting Fiber Telecom Switch" , Op
  Fiber Communication Conference, OM2J.6 (20

- B Robertson, Z Zhang, H Yang, MM Redmon
  Collings, J Liu, R Lin, AM Jeziorska-Chapman
  Moore, WA Crossland, and DP Chu, *"Applica*
  of the fractional Fourier transform to the de
  of LCOS based optical interconnects and
  switches" , Applied Optics, 51. pp. 2212-2

P Hiralal, F Bonaccorso, T Hasan, L Ga...
Gancedo, A Dyadyusha, S Haque, P Andre...
Hofmann, J Moultrie, D Chu, AJ Flewitt, ...
Ferrari, MJ Kelly, J Robertson, GAJ Amarat...
and WI Milne, *"Flexible electronics: The ...*
ubiquitous platform" , Proceedings of the I...
100. pp. 1486-1517. ISSN 0018-9219 (2012)

- S Li, W Chen, D Chu and S Roy, *"One step ...*
  aligned multilayer patterning process for ...
  fabrication of organic complementary cir...
  in combination with inkjet printing" , Org...
  Electronics: physics, materials, applications...
  pp. 737-743. ISSN 1566-1199 (2012)

- B Robertson, Z Zhang, H Yang, MM Redmon...
  Collings, J Liu, R Lin, AM Jeziorska-Chapman...
  Moore, WA Crossland and DP Chu, *"Redu...*
  of crosstalk in a colourless multicasting L...
  based wavelength selective switch by ...
  application of wavefront encoding" ,
  Proceedings of SPIE – The International Sc...
  for Optical Engineering, 8284. ISSN 0277-...
  (2012)

- B Robertson, Z Zhang, MM Redmond, N Coll...
  J Liu, R Lin, AM Jeziorska-Chapman, JR M...
  WA Crossland, WA and DP Chu, *"Us...*
  wavefront encoding in optical interconn...
  and fiber switches for cross talk mitigatio...
  Applied Optics, 51. pp. 659-668. ISSN 0003-...
  (2012)

- J-S Chen, N Collings and DP Chu, *"A meth...*
  introduce accommodation cues into 3D int...
  imaging system using Fresnel hologram...
  Proceedings of SPIE – The International Sc...
  for Optical Engineering, 8288. ISSN 0277-...
  (2012)

- H-H Chou, F Zhang, TD Wilkinson, N Collings...
  WA Crossland, *"Implementation of a 6 x 6 ...*
  Space Optical Fiber Ribbon Switch for Sto...
  Area Networks" , JOURNAL OF LIGHTW...
  TECHNOLOGY, 30. pp. 1719-1725. ISSN (...

2011

- H. Xu, J.R. Moore, W.A. Crossland, T.V. C[...] J.P. Hannington and F. Nishida.*"A new cla[...] bookshelf bi-stable siloxane mod[...] ferroelectric LC materials with elec[...] repairability in an LCoS configuration"* Jo[...] of the SID 19/11, pp1-10 (2011).

- Zichen Zhang, Anna M. Jeziorska-Chapman, [...] Collings, Mike Pivnenko, John Moore, [...] Crossland, Daping P. Chu, and Bill Milne.*"[...] Quality Assembly of Phase-Only Liquid Cr[...] on Silicon (LCOS) Devices"* (Invited paper) [...] J Display Techn,page 120, Volume 7, Issu[...] March 2011.

- F Schoppler, C Mann, TC Hain, FM Neubau[...] Privitera, F Bonaccorso, DP Chu, AC Ferrari a[...] Hertel, "Molar Extinction Coefficient of Single[...] Carbon Nanotubes" , J PHYS CHEM C, 115[...] 14682-14686. ISSN 1932-7447 (2011)

- H Zhang, N Collings, J Chen, WA Crossland[...] Chu and JH Xie, *"Full parallax three-dimens[...] display with occlusion effect using comp[...] generated hologram"* , OPT ENG, 50. [...] 0091-3286 (2011)

- K Wasapinyokul, WI Milne and DP Chu, *"O[...] of the threshold voltage shift of organic [...] film transistors under light illumination"* [...] APPL PHYS, 109. ISSN 0021-8979 (2011)

- N Collings, T Davey, J Christmas, DP Chu and[...] Crossland, *"The Applications and Techn[...] of Phase-Only Liquid Crystal on Si[...] Devices"* , J DISP TECHNOL, 7. pp. 112[...] ISSN 1551-319X (2011)

- H Zhu and DP Chu, "A study of capacita[...] voltage characteristics of lead zirconate tita[...] ferroelectric thin films and their usage[...] investigate polarization and coercive field" , J [...]

DOCKET ALARM

Explore Litigation Insights

Docket Alarm provides insights to develop a more informed litigation strategy and the peace of mind of knowing you're on top of things.

Real-Time Litigation Alerts

Keep your litigation team up-to-date with **real-time alerts** and advanced team management tools built for the enterprise, all while greatly reducing PACER spend.

Our comprehensive service means we can handle Federal, State, and Administrative courts across the country.

Advanced Docket Research

With over 230 million records, Docket Alarm's cloud-native docket research platform finds what other services can't. Coverage includes Federal, State, plus PTAB, TTAB, ITC and NLRB decisions, all in one place.

Identify arguments that have been successful in the past with full text, pinpoint searching. Link to case law cited within any court document via Fastcase.

Analytics At Your Fingertips

Learn what happened the last time a particular judge, opposing counsel or company faced cases similar to yours.

Advanced out-of-the-box PTAB and TTAB analytics are always at your fingertips.

API

Docket Alarm offers a powerful API (application programming interface) to developers that want to integrate case filings into their apps.

LAW FIRMS

Build custom dashboards for your attorneys and clients with live data direct from the court.

Automate many repetitive legal tasks like conflict checks, document management, and marketing.

FINANCIAL INSTITUTIONS

Litigation and bankruptcy checks for companies and debtors.

E-DISCOVERY AND LEGAL VENDORS

Sync your system to PACER to automate legal marketing.

fastcase®
Smarter legal research.