

Author details

[Print](#) | [Email](#)
Nicolls, Fred C.

 University of Cape Town, Department of Electrical Engineering, Cape Town, South Africa
 Author ID: 14036140600

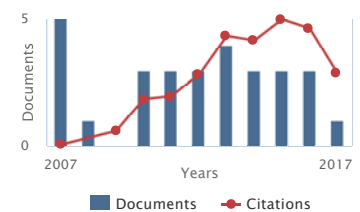
[About Scopus Author Identifier](#) | [View potential author matches](#)

 Other name formats: Nicolls, Fred
 Nicolls, F.
 Nicolls, F. C.
[View More](#)

 Documents: 34
 Citations: 484 total citations by 468 documents
h-index: 7
 Co-authors: 43
 Subject area: Computer Science , Engineering [View More](#)
[Analyze author output](#)
[View citation overview](#)
[View *h*-graph](#)

Follow this Author

Receive emails when this author publishes new articles

[Get citation alerts](#)
[Add to ORCID](#)
[Request author detail corrections](#)

34 Documents | Cited by 468 documents | 43 co-authors

 34 documents [View in search results format](#)

 Sort on: **Date** [Cited by](#)
[Export all](#) | [Add all to list](#) | [Set document alert](#) | [Set document feed](#)

Implementation of adaptive coded aperture imaging using a digital micro-mirror device for defocus deblurring	Chiranjani, A., Duvenhage, B., Nicolls, F.	2017	2016 Pattern Recognition Association of South Africa and Robotics and Mechatronics International Conference, PRASA-RobMech 2016	0
--	--	------	---	---

 View at Publisher [Find it](#)

Automating Transmission-Line Fault Root Cause Analysis	Minnaar, U.J., Nicolls, F., Gaunt, C.T.	2016	IEEE Transactions on Power Delivery	0
--	---	------	-------------------------------------	---

 View at Publisher [Find it](#)

Monte-Carlo simulation of a slot-scanning digital mammography system for tomosynthesis	Kulkarni, M., Dendere, R., Nicolls, F., Douglas, T.S.	2016	Journal of X-Ray Science and Technology	2
--	---	------	---	---

 View at Publisher [Find it](#)

Monte-Carlo simulation of a slot-scanning X-ray imaging system	Kulkarni, M., Dendere, R., Nicolls, F., Steiner, S., Douglas, T.S.	2016	Physica Medica	1
--	--	------	----------------	---

 View at Publisher [Find it](#)

Using the earth mover's distance for perceptually meaningful visual saliency	Dunbar, L., Nicolls, F.	2015	Proceedings of the 2015 Pattern Recognition Association of South Africa and Robotics and Mechatronics International Conference, PRASA-RobMech 2015	0
--	-------------------------	------	--	---

 View at Publisher [Find it](#)

A study on the effect of different image centres on stereo triangulation accuracy	De Villiers, J., Jermy, R., Nicolls, F.	2015	Proceedings of the 2015 Pattern Recognition Association of South Africa and Robotics and Mechatronics International Conference, PRASA-RobMech 2015	0
---	---	------	--	---

 View at Publisher [Find it](#)

Evaluation of optimal control-based deformable registration model	Matjelo, N.J., Nicolls, F., Muller, N.	2015	Lecture Notes in Electrical Engineering	0
---	--	------	---	---

 View at Publisher [Find it](#)

Active shape models with SIFT descriptors and MARS	Milborrow, S., Nicolls, F.	2014	VISAPP 2014 - Proceedings of the 9th International Conference on Computer Vision Theory and Applications	61
--	----------------------------	------	--	----

[Find it](#)

Author History

Publication range: 1997 - Present

 References: **560**
Source history:
[Signal Processing](#)
[View docu](#)
[Journal of X-Ray Science and Technology](#)
[View docu](#)
[Journal of Sports Sciences](#)
[View docu](#)
[View More](#)
[Show Related Affiliations](#)

A versatile photogrammetric camera automatic calibration suite for multispectral fusion and optical helmet tracking	De Villiers, J., Jermy, R., Nicolls, F.	2014	Proceedings of SPIE - The International Society for Optical Engineering	2
View at Publisher Find it NTU				
Probabilistic active recognition of multiple objects using hough-based geometric matching features	Govender, N., Torr, P., Keaikitse, M., Nicolls, F., Warrell, J.	2014	Cognitive Systems Monographs	0
View at Publisher Find it NTU				
Active object recognition using vocabulary trees	Govender, N., Claassens, J., Nicolls, F., Warrell, J.	2013	2013 IEEE Workshop on Robot Vision, WORV 2013	4
View at Publisher Find it NTU				
Preoperative three-dimensional model creation of magnetic resonance brain images as a tool to assist neurosurgical planning	Spottiswoode, B.S., Van Den Heever, D.J., Chang, Y., (...), Hartzenberg, H.B., Gretschel, A.	2013	Stereotactic and Functional Neurosurgery	22
View at Publisher Find it NTU				
Probabilistic object and viewpoint models for active object recognition	Govender, N., Warrell, J., Torr, P., Nicolls, F.	2013	IEEE AFRICON Conference	0
View at Publisher Find it NTU				
Multiview active shape models with SIFT descriptors for the 300-W face landmark challenge	Milborrow, S., Bishop, T.E., Nicolls, F.	2013	Proceedings of the IEEE International Conference on Computer Vision	10
View at Publisher Find it NTU				
Velocity and acceleration before contact in the tackle during rugby union matches	Hendricks, S., Karpul, D., Nicolls, F., Lambert, M.	2012	Journal of Sports Sciences	17
View at Publisher Find it NTU				
Characterisation of power system events on South African transmission power lines	Minnaar, U.J., Gaunt, C.T., Nicolls, F.	2012	Electric Power Systems Research	13
View at Publisher Find it NTU				
A study of the sensitivity of long-range passive ranging techniques to atmospheric scintillation	De Villiers, J., Wilson, F., Nicolls, F.	2012	Proceedings of SPIE - The International Society for Optical Engineering	4
View at Publisher Find it NTU				
Improved neural network modeling of inverse lens distortion	De Villiers, J.P., Cronje, J., Nicolls, F.	2011	Proceedings of SPIE - The International Society for Optical Engineering	0
View at Publisher Find it NTU				
An optical tracker for the maritime environment	Bachoo, A.K., Le Roux, F., Nicolls, F.	2011	Proceedings of SPIE - The International Society for Optical Engineering	1
View at Publisher Find it NTU				
Quantitative analysis of the improvement in high zoom maritime tracking due to real-time image enhancement	Bachoo, A.K., De Villiers, J.P., Nicolls, F., Le Roux, F.P.J.	2011	Proceedings of SPIE - The International Society for Optical Engineering	1
View at Publisher Find it NTU				

Display: results per page [Top of page](#)

The data displayed above is compiled exclusively from articles published in the Scopus database. To request corrections to any inaccuracies or provide any further feedback, please [contact us](#) (registration required). The data displayed above is subject to the privacy conditions contained in the [privacy policy](#).

[Scopus API](#)
[Privacy matters](#)

[Русский язык](#)

ELSEVIER

[Terms and conditions](#) [Privacy policy](#)

Copyright © 2017 [Elsevier B.V.](#) All rights reserved. Scopus® is a registered trademark of Elsevier B.V.

Cookies are set by this site. To decline them or learn more, visit our [Cookies page](#).

 RELX Group