

**Adolygiad Ymchwil 17/18**



# Allbynnau Ymchwil

**Adolygiad Ymchwil: Allbynnau Ymchwil**

**2017/18**

Contents

[Allbynnau Ymchwil 0](#_Toc73611214)

[Llyfrau a Phenodau Llyfrau 1](#_Toc73611215)

[Erthyglau Cyfnodolion 2](#_Toc73611216)

[Cyflwyniadau mewn Cynadleddau a phapurau mewn Cynadleddau 4](#_Toc73611217)

[Arddangosfeydd a Pherfformiadau 8](#_Toc73611218)

[Adroddiadau 8](#_Toc73611219)

[Gwaith ymchwil a gwblhawyd gan fyfyrwyr 2017/18 8](#_Toc73611220)

[Grantiau a chontractau ymchwil gweithredol yn 2017/18 9](#_Toc73611221)

**Cyflwyniad**

Bwriedir i waith ymchwil Prifysgol Glyndŵr gyfrannu at ddatblygiad economaidd, cymdeithasol a diwylliannol. P’un ai yw’n ymchwil lleol neu ryngwladol, ar raddfa fechan neu raddfa fawr, mae’r pwyslais bob amser ar ddatrys problemau a gwneud cyfraniadau i anghenion go iawn.

Mae’r adroddiad hwn yn rhoi syniad o’r ystod eang o waith ymchwil a gweithgareddau cysylltiedig a wneir gan staff y Brifysgol.

Mae’r allbynnau ymchwil hyn yn cynnwys papurau a gyhoeddwyd mewn cyfnodolion wedi’u hadolygu gan gyfoedion, cyflwyniadau mewn cynadleddau, llyfrau, adroddiadau, perfformiadau ac arddangosfeydd.

Mae’r adroddiad hwn yn darparu manylion ymchwil am waith ymchwil a gwblhawyd gan fyfyrwyr, a grantiau a chontractau ymchwil ffurfiol a oedd yn weithredol yn 2017/18 hefyd.

Os hoffech gael rhagor o wybodaeth am y gwaith ymchwil a wneir ym Mhrifysgol Glyndŵr, edrychwch ar [Yma](https://www.glyndwr.ac.uk/cy/Ymchwil/) neu ffoniwch y swyddfa **Gwasanaethau Ymchwil** ar 01978 293573.

Cewch weld ein storfa ar-lein o gynnyrch ymchwil yn [**Ymchwil Ar-lein Prifysgol Glyndŵr**](https://glyndwr.collections.crest.ac.uk/)**.**

Mae’r adnodd hwn yn rhoi mynediad am ddim i allbynnau’r gwaith ymchwil ac ysgoloriaethau gan staff academaidd ac ymchwil y Brifysgol, lle nad yw hynny wedi’i atal gan gyfyngiadau hawlfraint. Mae’r Brifysgol yn annog sefydliadau allanol ac unigolion i ddefnyddio ei chanlyniadau ymchwil ac i gydweithio gyda’i hymdrechion ymchwil.

*Stewart Milne*

*Pennaeth Gwasanaethau Ymchwil*

# Llyfrau a Phenodau Llyfrau

Arabi, O., Ali, N.T., Liu, B., Abd-Alhameed, A. ac Excell, P.S. (2017), "Compact MIMO Antenna Array Design for Wireless Applications", yn Elfergani, I. et al (Golygyddion), Antenna Fundamentals for Legacy Mobile Applications and Beyond. Springer. ISBN 978-3-319-63967-3

Liggett S. a Heald K., (2017) 'Visual Arts Mental health and Technology'. Yn Earnshaw, R. (Golygydd) Art, Design and Technology: Collaboration and Implementation, tud. 67-82, Springer. ISBN 978-3-319-58121-7

McMillan, A. (2017), 'Crack growth from naturally occurring material discontinuities', yn Jones, R., Matthews, N., Baker, A.A. a Champagne, J. Jnr (Golygyddion), Aircraft Sustainment and Repair, Pennod 5. Oxford: Elsevier/Butterworth-Heinemann. ISBN 9780081005408

Shepley, A (2018) 'Idiosynctratic spaces and uncertain practices: Drawing, Drifting and Sweeping Lines Through the Sand'. Yn Journeaux, J. a Gorrill, H. (Golygyddion), Collective and Collaborative Drawing in Contemporary Practice: Drawing Conversations, tud. 164-191. Newcastle-upon-Tyne: Cambridge Scholars. ISBN 978-1-52750347-2

# Erthyglau Cyfnodolion

Liu, B., Yang, H. a Lancaster, M. (2018), ‘Synthesis of Coupling Matrix for Diplexers Based on a Self-adaptive Differential Evolution Algorithm’, *IEEE Transactions on Microwave Theory and Techniques*, Rhifyn 66, Rhif 2, tud. 813-821. Dynodydd gwrthrych digidol (doi): 10.1109/TMTT.2017.2772855

Burr, S., Williams, P.A. a Ratcliffe, I. (2018), 'Synthesis of cationic alkylated chitosans and an investigation of their rheological properties and interaction with anionic surfactant', *Carbohydrate Polymers*, Rhifyn 201, tud. 615-623. Dynodydd gwrthrych digidol (doi): 10.1016/j.carbpol.2018.08.105

Gorden, C., Hughes, C., Roberts, D., Astbury-Ward, E. a Dubberley, S. (2017), '*A Literature Review of Transgender People in Prison: An ‘invisible’ population in England and Wales*', Prison Service Journal, Rhif 233, tud. 11-22. Ar gael yn [Yma](https://www.crimeandjustice.org.uk/publications/psj/prison-servicejournal-233)

Grout, V (2017), 'A Simple Approach to Dynamic Optimisation of Flexible Optical Networks with Practical Application', *Future Internet*, 9(2), 18. Dynodydd gwrthrych digidol (doi): 10.3390/fi9020018

Grout, V (2018), ‘The Singularity Isn’t Simple! (However We Look at It) A Random Walk between Science Fiction and Science Fact’, *Information*, Rhifyn 9, Rhif 4. Dynodydd gwrthrych digidol (doi): 10.3390/info9040099

Yang, H., Dhayalan, Y., Shang, X., Lancaster, M., Liu, B., Wang, H. a P. G. Huggard, (2018), ‘WR-3 Waveguide Bandpass Filters Fabricated Using High Precision CNC Machining and SU-8 Photoresist Technology, *IEEE*

*Transactions on Terahertz Science and Technology*, Rhifyn 8, Rhif 1, tud. 100-107. Dynodydd gwrthrych digidol (doi): 10.1109/TTHZ.2017.2775441

Han, L., Ratcliffe, I., a Williams, P.A. (2017), ‘Synthesis, characterisation and physicochemical properties of hydrophobically modified inulin using long-chain fatty acyl chlorides’, *Carbohydrate Polymers*, Rhifyn 178, tud. 141-146. Dynodydd gwrthrych digidol (doi)[: 10.1016/j.carbpol.2017.09.008](https://doi.org/10.1016/j.carbpol.2017.09.008)

Hanson-Heine, M.W.D., Calladine, J.A., Yang, J., Towrie, M., Hovarth, R., Besley, N.A. a George, M.W. (2018), ‘A combined time-resolved infrared and density functional theory study of the lowest excited states of 9-fluorenone and 2-naphthaldehyde’, *Chemical Physics*, Rhifyn 512, tud. 44-52. Dynodydd gwrthrych digidol (doi): 10.1016/j.chemphys.2018.04.014

Jones, R., Singh Raman, R. K. a McMillan, A. J. (2017), 'Crack growth: Does microstructure play a role?', *Engineering Fracture Mechanics*, Rhifyn 187, tud. 190-210. Dynodydd gwrthrych digidol (doi): 10.1016/j.engfracmech.2017.11.023

Kokubun, S., Ratcliffe, I. a Williams, P. (2018), ‘The interfacial, emulsification and encapsulation properties of hydrophobically modified inulin’, *Carbohydrate Polymers*, Rhifyn 194, tud. 18-23. Dynodydd gwrthrych digidol (doi): 10.1016/j.carbpol.2018.04.018

Leong, K. a Sung, A. (2018) ‘FinTech (Financial Technology): What is It and How to Use Technologies to Create Business Value in Fintech Way?’, *International Journal of Innovation, Management and Technology*, Rhifyn 9, Rhif 2, tud. 74-78. Ar gael yn [Yma](http://www.ijimt.org/index.php?m=content&c=index&a=show&catid=93&id=1138).

Liu, B., Grout, V. a Nikolaeva, A. (2018), 'Efficient Global Optimization of Actuator Based on A Surrogate Model Assisted Hybrid Algorithm', *IEEE Transactions on Industrial Electronics*, Rhifyn 65, Rhif 7, tud. 5712-5721. Dynodydd gwrthrych digidol (doi): 10.1109/TIE.2017.2782203

Livingston, W. a Perkins, A. (2018), 'Participatory action research (PAR) research: critical methodological considerations'*, Drugs and Alcohol Today*, Rhifyn 18, Rhif 1, tud. 61-71. Dynodydd gwrthrych digidol (doi): 10.1108/DAT-08-2017-0035

Madoc-Jones, I., Lloyd-Jones, N., Owen, E. a Gorden, C. (2018), 'Assessing and addressing domestic abuse by Ex-armed service personnel', *Probation Journal*, Rhifyn 65, Rhif 2, tud. 201-218. Dynodydd gwrthrych digidol (doi): 10.1177/0264550518768401

McMillan, A., Jones, R., Peng, D. a Chechkin, G.A. (2018), ‘A computational study of the influence of surface roughness on material strength’, *Meccanica*, Rhifyn 53, Rhif 9, tud. 2411-2436. Dynodydd gwrthrych digidol (doi): 10.1007/s11012-018-0830-6

McMillan, A.J., Swindells, N., Archer, E., McIlhagger., Sung, A., Leong, K. a Jones, R. (2017), ‘A review of composite product data interoperability and product life-cycle management challenges in the composites industry’, *Advanced Manufacturing: Polymer and Composites Science*, Rhifyn 3, Rhif 4, tud. 130-147. Dynodydd gwrthrych digidol (doi): 10.1080/20550340.2017.1389047

Miraz, M., Ali, M., Excell, P.S. a Picking, R. (2018), ‘Internet of Nano-Things, Things and Everything: Future Growth Trends’*, Future Internet*, Rhifyn 8, Rhif 10, 28 tudalen. Dynodydd gwrthrych digidol (doi): 10.3390/fi10080068

Surabhi, A., Senan, Ch. ac Azhar, M. (2018), 'Effect of Temperature and Calcium Ion Concentration on Gelation and Rheological Properties of Low Methylated Pectin', *Asian Journal of Chemistry*, Rhifyn 30, Rhif 7, tud. 16711674. Dynodydd gwrthrych digidol (doi): 10.14233/ajchem.2018.21321

Tekke, M., Francis, L. J. a Robbins, M. (2017), 'Religious affect and personal happiness: a replication among Sunni students in Malaysia', *Journal of Muslim Mental Health*, Rhifyn 11, Rhif 2, tud. 3-15. Dynodydd gwrthrych digidol (doi):10.3998/jmmh.10381607.0011.201

Turley, J., Lewis, C.A., Musharraf, S., Malik, J.A. a Breslin, M.J. (2018), 'Psychometric properties of three measures of “Facebook engagement and/or addiction” among a sample of English speaking Pakistani university students', International Journal of Mental Health and Addiction. Dynodydd gwrthrych digidol (doi): 10.1007/s11469-018-9963-z

Wyatt, M. a Liggett, S. (2018), 'The Potential of Painting: Unlocking Disenfranchised Grief for People Living With Dementia', *Illness, Crisis & Loss*, ar gael ar-lein: 20 Mehefin 2018. Dynodydd gwrthrych digidol (doi): 10.1177/1054137318780577

# Cyflwyniadau mewn Cynadleddau a phapurau mewn Cynadleddau

Anuchin. A., Shpak, D., Zharkov, A. Ostrirov, V., a Vagapov. Y. (2017), 'A method of determining the maximum performance torque-speed characteristic for an induction motor drive over its entire speed range', yn: *Proceedings of the 58th International Scientific Conference on Power and Electrical Engineering*. 12-13 Hydref 2017, Riga. Dynodydd gwrthrych digidol (doi): 10.1109/RTUCON.2017.8124815

Bolam, R. C., Vagapov, Y. ac Anuchin, A. (2017), ‘Curriculum development of undergraduate and post graduate courses on small unmanned aircraft’, yn *Proceedings of the 52nd International Universities Power Engineering Conference*. 28-31 Awst 2017, Heraklion, Gwlad Groeg. Dynodydd gwrthrych digidol (doi): 10.1109/UPEC.2017.8232002

Bolam, R. a Vagapov, Y. (2017), 'Implementation of electrical rim driven fan technology to small unmanned aircraft’, yn *Proceedings of the 7th IEEE Int. Conference on Internet Technologies and Applications ITA-17*, 1215 Medi 2017, Wrecsam, Y Deyrnas Unedig. Dynodydd gwrthrych digidol (doi): 10.1109/ITECHA.2017.8101907

Chernenkiy, V., Gapanyuk, Y., Nardid, A., Skvortsova, M., Gushcha, A., Fedorenko, Y. a Picking, R. (2017), 'Using the Metagraph Approach for Addressing RDF Knowledge Representation Limitations', yn *Proceedings of the 7th IEEE Int. Conference on Internet Technologies and Applications ITA-17*, 12-15 Medi 2017, Wrecsam, Y Deyrnas Unedig. Dynodydd gwrthrych digidol (doi): 10.1109/ITECHA.2017.8101909

Cooke, A. a Jones, P. (2017), "Criticality Performed: Performative Learning Through Agonistic Interventions", *Provocative Pedagogies: Performative Teaching and Learning in the Arts*, 14 Hydref 2017, Prifysgol Lincoln

Cunningham, S. a Suprun, D. (2017), 'Image Matching Principles in Photometrical Transformations', yn *Proceedings of the 7th IEEE Int. Conference on Internet Technologies and Applications ITA-17*, 12-15 Medi 2017, Wrecsam, Y Deyrnas Unedig. Dynodydd gwrthrych digidol (doi): 10.1109/ITECHA.2017.8101915

Cunningham, S., Kanev. (2017), 'Application of Formal Grammar in Text Mining and Construction of an Ontology', yn *Proceedings of the 7th IEEE Int. Conference on Internet Technologies and Applications ITA-17*, 1215 Medi 2017, Wrecsam, Y Deyrnas Unedig. Dynodydd gwrthrych digidol (doi): 10.1109/ITECHA.2017.8101910

Davies, D.G, Bolam, R.C., Vagapov, Y., Excell, P. (2018), 'Ultrasonic sensor for UAV flight navigation', yn *Proceedings of the 25th International Workshop on Electric Drives: Optimization in Control of Electric Drives (IWED)*, 31 Ionawr – 2 Chwefror 2018. Dynodydd gwrthrych digidol (doi): 10.1109/IWED.2018.8321389

Davies, S., Cunningham, S. a Picking, R. (2017) A Comparison of Audio Models for Virtual Reality Video’, yn *Proceedings of the IEEE International Conference on Cyberworlds (CW)*, 20-22 Medi 2017, Caer, Y Deyrnas Unedig. Dynodydd gwrthrych digidol (doi): 10.1109/CW.2017.41

Green, J. (2018), ‘The Basic Social Process of Perceptive Familiarizing: Making a Difference with Scenario Assessment in Executive Education’, *Organisational Learning, Knowledge and Capabilities*, 25-27 Ebrill 2018, Prifysgol Lerpwl, Y Deyrnas Unedig.

Green, J. (2018), ‘What’s in it for me? Space Solutions for the Smithereens of Career Management in Education,’ *International Conference of the Management & Organizational Behaviour Teaching Society (MOBTS) 2018*, 28-30 Mehefin 2018, Prifysgol Maynooth, Swydd Kildare, Iwerddon.

Hell, M., Bolam, R., Vagapov, Y. ac Anuchin, A. (2018), 'Design of a Portable Drone for Educational Purposes', yn *Proceedings of the 25th International Workshop on Electric Drives: Optimization in Control of Electric Drives (IWED)*, 31 Ionawr - 2 Chwefror, Moscow, Rwsia. Dynodydd gwrthrych digidol (doi): 10.1109/IWED.2018.8321377

Klarmann, S., Manesh, B., Hoenle, T. a Vagapov, Y. (2017), 'Analysis of Insulated-Metal-Substrates Structures in the Context of Heat Dissipation Enhancement', yn *Proceedings of the 7th IEEE Int. Conference on Internet Technologies and Applications ITA-17*, 12-15 Medi 2017, Wrecsam, Y Deyrnas Unedig. Tud. 161-164. Dynodydd gwrthrych digidol (doi): 10.1109/ITECHA.2017.8101929

Kozhaeva, T., Zhestkov, S., Bulakh, D. a Houlden, N. (2017), 'Programmable Gesture Manipulator for Hand Injuries Rehabilitation', yn *Proceedings of the 7th IEEE Int. Conference on Internet Technologies and Applications ITA-17*, 12-15 Medi 2017, Wrecsam, Y Deyrnas Unedig. Tud. 134-136. Dynodydd gwrthrych digidol (doi): 10.1109/ITECHA.2017.8101924

Kulik, E., Xuan Trung Tran, Anuchin. A. a Vagapov. Y. (2017), 'GPS-track data processing for the optimisation of the powertrain for hybrid electric vehicles', yn *Proceedings of the 58th International Scientific Conference on Power and Electrical Engineering of Riga Technical University*, 12-13 Hydref 2017, Riga, Latvia, tud. 1-5. Dynodydd gwrthrych digidol (doi): 10.1109/RTUCON.2017.8124845

Lapin, A., Bulakh, D. a Vagapov, Y (2017), 'Event-driven simulation of digital circuits using modified Petri nets algorithm', yn *Proceedings of the 7th IEEE Int. Conference on Internet Technologies and Applications ITA-17*, 1215 Medi 2017, Wrecsam, Y Deyrnas Unedig. Tud. 15-17. Dynodydd gwrthrych digidol (doi): 10.1109/ITECHA.2017.8101903

Liggett, S. a Jones, M (2018), 'The potential of painting: unlocking Disenfranchised Grief for people living with dementia', yn *Proceedings of the 1st European Association for Health Information and Libraries (EAHIL) Conference*, 9-13 Gorffennaf 2018, Caerdydd, Y Deyrnas Unedig. Tud. 38. Ar gael yn [Yma](https://eahilcardiff2018.wordpress.com/)

Madrid-Manrique, M. (2018), 'Living inquiry in higher education: Nomadic interbeing', yn *Proceedings of European Congress of Qualitative Inquiry 2018*, Leuven. Tud. 111-123. Ar gael yn: https://kuleuvencongres.be/ECQI2018

Maier, A., Sharp, A. a Vagapov. Y. (2017), ‘Comparative analysis and practical implementation of the ESP32 microcontroller module for the Internet of Things’, yn *Proceedings of the 7th IEEE Int. Conference on Internet Technologies and Applications ITA-17*, 12-15 Medi 2017, Wrecsam, Y Deyrnas Unedig. Tud. 143-148. Dynodydd gwrthrych digidol (doi): 10.1109/ITECHA.2017.8101926

Mischok, F., Durieux, O., Vagapov, Y. a Fedyashin, D. (2018), 'Practical Characterisation of the Piezo electric Properties of a 3K T300 Carbon Fibre for Impact Sensoring', yn *Proceedings of IEEE International Conference of Russian Young Researchers in Electrical and Electronic Engineering (EIConRus)*, 29 Ionawr - 1 Chwefror 2018, Moscow, Russia, tud. 1757-1760. Dynodydd gwrthrych digidol (doi): 10.1109/EIConRus.2018.8317446

Owens, S. a Cunningham, S. (2017), ‘More Cowbell: Measuring Beat Consistency With Respect To Tempo and Metronome Variations’, yn *Proceedings of the 12th International Audio Mostly Conference on Augmented and Participatory Sound and Music Experiences (AM 2017)*, 23-26 Awst 2017, Llundain, Y Deyrnas Unedig. Dynodydd gwrthrych digidol (doi): 10.1145/3123514.3123558

Schinagl, P. a Sharp, A. (2017), ‘Algorithmic analysis and hardware implementation of a two-wire-interface communication analyser’, yn *Proceedings of the 7th IEEE Int. Conference on Internet Technologies and Applications ITA-17*, 12-15 Medi 2017, Wrecsam, Y Deyrnas Unedig. Tud. 189-193. Dynodydd gwrthrych digidol (doi): 10.1109/ITECHA.2017.8101936

Shepley, A (2018), ‘Contouring with a sweeping brush as a catalyst for social engagement and urban renewal’, *Art, Materiality and Representation*, 1-3 Mehefin 2018, Yr Amgueddfa Brydeinig, Llundai, Y Deyrnas Unedig. Ar gael yn [Yma](ttps://www.therai.org.uk/conferences/art-materiality).

Sprake, D., Vagapov, Y., Lupin, S. ac Anuchin, A. (2017), 'Housing estate energy storage feasibility for a 2050 scenario', yn *Proceedings of the 7th IEEE Int. Conference on Internet Technologies and Applications ITA-17*, 1215 Medi 2017, Wrecsam, Y Deyrnas Unedig. Tud. 137-142. Dynodydd gwrthrych digidol (doi): 10.1109/ITECHA.2017.8101925

Stetsenko, I.V., Dyfuchyn, A. a Leshchenko, K. a Davies, J. (2017), 'Web Application for Visual Modeling of Discrete Event Systems', yn *Proceedings of the 7th IEEE Int. Conference on Internet Technologies and Applications ITA-17*, 12-15 Medi 2017, Wrecsam, Y Deyrnas Unedig. Tud. 86-91. Dynodydd gwrthrych digidol (doi): 10.1109/ITECHA.2017.8101916

Vagapov, Y., Anuchin, A. a Pushchin, M. (2018), 'Modelling of a photovoltaic array using Analog System Lab Kit Pro board', yn *Proceedings of IEEE International Conference of Russian Young Researchers in Electrical and Electronic Engineering (EIConRus)*, 29 Ionawr - 1 Chwefror 2018, Moscow, Rwsia, tud. 1791-1794. Dynodydd gwrthrych digidol (doi): 10.1109/EIConRus.2018.8317453

Veligorskyi, O., Khomenko, M., Chakirov, R. a Vagapov, Y. (2018), 'Performance Analysis of a Wearable Photovoltaic System', yn *Proceedings of IEEE International Conference on Power and Industrial Electronics for Sustainable Energy Systems*, 31 Ionawr – 2 Chwefror 2018, Hamilton, Seland Newydd, tud. 376-381. Dynodydd gwrthrych digidol (doi): 10.1109/IESES.2018.8349905

Verovko, M., Verovko, O., Kazymyr, V., Davies, J.N. a Bhalla, A. (2017), 'Body Area Networks in a Medical Environment', yn *Proceedings of the 7th IEEE Int. Conference on Internet Technologies and Applications ITA-17*, 12-15 Medi 2017, Wrecsam, Y Deyrnas Unedig. Tud. 92-97. Dynodydd gwrthrych digidol (doi): 10.1109/ITECHA.2017.8101917

Weinel, J. a Cunningham, S. ( 2017), ‘Simulating Auditory Hallucinations in a Video Game: Three Prototype Mechanisms’, yn *Proceedings of the 12th International Audio Mostly Conference on Augmented and Participatory Sound and Music Experiences*, 23-26 Awst 2017, Llundain. Dynodydd gwrthrych digidol (doi): 10.1145/3123514.3123532

# Arddangosfeydd a Pherfformiadau

Shepley, A. (2018), ‘You and I are discontinuous beings’, 3-14 Mai 2018, International Project Space, Birmingham School of Art, Bimingham, UK. Ar gael yn [Yma](https://www.bcu.ac.uk/news-events/collective-andcollaborative-drawing).

Thompson, E. et al (2016), ‘Imperfect Reverse’, Camberwell Space Projects, Llundain, 18 Hydref - 18 Tachwedd 2016

# Adroddiadau

Lloyd-Jones, N. (2018), ‘Leaving the Armed Forces and Living as a Civilian: An Exploratory Study of Everyday Decision-Making’. Prifysgol Glyndŵr Wrecsam. ISBN: 978-0-46881-85-7. Ar gael yn: https://www.fimtrust.org/wp-content/uploads/2018/04/20180306-Veterans-Full-Report-002.pdf

Madoc-Jones,I., Hughes,C., Dubberley, S., Gorden.C., Washington-Dyer,K., Wilson,F., Ahmed, A., Lockwood,K., Wilding, M. (2018) ‘Gwerthusiad o wasanaethau digartrefedd i oedolion yn yr ystad ddiogel: Adroddiad prif ganfyddiadau', 27 Mehefin 2018. Llywodraeth Cymru. ISBN: 978-1-78937-472-8. Ar gael yn [Yma](https://gov.wales/statistics-and-research/evaluation-homelessness-services-adults-secure-estate/?lang=cy).

# Gwaith ymchwil a gwblhawyd gan fyfyrwyr 2017/18

| **Doethuriaeth/Doethuriaeth Broffesiynol myfyriwr** | **Teitl** |
| --- | --- |
| **Carey, H (Doethuriaeth)** | The Impact of ‘Doing’ for People with Motor Neurone Disease: A Case Study Approach |
| **Carter, J (Doethuriaeth)** | Close at hand but miles apart? Exploring the relationship between the Digital Universe and the Spiritual Health and Well-Being of Christian Youth |
| **Fairs, L (Doethuriaeth)** | An Analysis of Officiating Style within Rugby Union |
| **Kreider, M (Doethuriaeth)** | On Time, in Style: Nanosecond Accuracy in Network Control Systems |
| **Monir, S (Doethuriaeth)** | High Throughput Process for Atmospheric Pressure Inline Production of Thin Film Photovoltaics |
| **Muir, F (Doethuriaeth)** | A narrative enquiry into health visiting practice |
| **Richards, P (Doethuriaeth)** | Developing Decision-Making Skills in Elite Sport Teams |
| **Ubrurhe, O (Doethuriaeth)** | Energy Optimisation for Mac Protocol in Wireless Body Area Network. Energy Effectiveness in MAC protocol for Wireless Body Area Network |
| **Evans, S. (Doethuriaeth Broffesiynol)** | Living with Tuberculosis in North Wales in the 20th Century: Voices from the Sanatorium |
| **Hardy, N. (Doethuriaeth Broffesiynol)** | Doing time: A qualitative study exploring the time use of adults at-risk of reoffending in England and Wales |
| **O'Sullivan, A. (Doethuriaeth Broffesiynol)** | 'Forging their Way': An exploration of the socialisation process undergone by trainee teachers during their initial teacher education programme in Wales |

# Grantiau a chontractau ymchwil gweithredol yn 2017/18

| **Noddwr** | **Cyfanswm gwerth (£)** | **Prosiect** | **Prif Ymchwilydd** |
| --- | --- | --- | --- |
| ADDACTION  (Cronfa Loteri Fawr) | 219,298 | Yfed doeth, Heneiddio’n dda | Yr Athro Iolo Madoc Jones |
| Barnardo’s | 56,661 | Prosiect ASPIRE | Yr Athro Mandy Robbins |
| Bwrdd Cynllunio  Ardal Gogledd  Cymru (trwy Figure  8 Consultancy) | 7,500 | Adolygiad Camddefnyddio Sylweddau Mynediad Agored Haen 2 | Dr Wulf  Livingston |
| Bwrdd Iechyd  Prifysgol Betsi  Cadwaladr | 20,000 | Training and Development in Arts in Health | Dr Sue Liggett |
| Change Step (CAIS) | 7,500 | Gwerthuso Change Step | Dr Nikki Lloyd Jones |
| Cyngor Bwrdeistref Sirol Wrecsam | 14,500 | Gwerthuso cyflawni’r Rhaglen Cyfamod gan Lywodraeth Leol | Dr Nikki Lloyd Jones |
| EPSRC | 74,640 | High Value Manufacturing Catapult Fellowship: Addressing the industrialisation challenges in rapid microwave and radio frequency processing of polymer matric composites | Yr Athro Richard Day |
| EPSRC (Prifysgol Sheffield) | 50,000 | High Value Manufacturing Catapult Fellowship: Research into microwave processing of materials to deliver a scientific understanding and methods for large scale manufacture of composite materials | Yr Athro Richard Day |
| Forces in Mind Trust | 210,859 | Leaving the Armed Forces and Living in Wales | Dr Nikki Lloyd Jones |
| Forces in Mind Trust | 21,681 | Leaving the Armed Forces and living in Wales - Dissemination | Dr Nikki Lloyd Jones |
| Gwasanaeth Iechyd  Gwladol yr Alban  (trwy Figure 8  Consultancy) | 33,000 | Gwerthuso pris isafswm alcohol yn yr Alban | Dr Wulf  Livingston |
| Llywodraeth Cymru | 20,516 | Adolygiad o effaith Strategaeth Gwaith Ieuenctid Cymru 2014-2018 | Jess Achilleos |
| Llywodraeth Cymru | 69,799 | Gwerthusiad o wasanaethau digartrefedd i oedolion sy’n gadael yr ystad ddiogel | Yr Athro Iolo Madoc Jones |
| Llywodraeth Cymru  (trwy Figure 8  Consultancy) | 12,000 | Adolygu’r Strategaeth Camddefnyddio Sylweddau | Dr Wulf  Livingston |
| Llywodraeth Cymru  (trwy Figure 8  Consultancy) | 1,500 | Cefnogaeth Ddadansoddiadol i Iechyd Cyhoeddus ynghylch Pris Isafswm Uned ar gyfer Alcohol (Cymru) | Dr Wulf  Livingston |
| Mostyn Gallery LTD | 12,500 | Investigation and identification of Mostyn's existing digital content and the design of a methodology for construction of new platforms | Yr Athro Alec Shepley |
| NRN-LCEE (Sêr Cymru) | 7,700 | Proposal Writing Fellowship (Sally Burr) | Dr Ian Ratcliffe |
| Partneriaeth  Alcohol a Chyffuriau  Argyll a Bute (trwy  Figure 8  Consultancy) | 2,500 | Understanding the active ingredients of sustained recovery in rural and remote settings | Dr Wulf  Livingston |
| USW / RCBC Wales | 54,555 | RCBC Fellowship | Helen Carey |
| Y Gymdeithas  Genedlaethol i Blant  Byddar | 2,480 | Gwerthusiad y prosiect Gearing Up | Hayley Douglas |