

## **ILAQH Publications List**

### **Full Refereed Conference Papers**

#### **2020**

Shahariar, G.M.H., Chu Van, T., Bodisco, T.A., Sajjad, M.S., Kabir, A. Ristovski, Z.D. and Brown, R. Comparison of real-time NOx emission measurements from two heavy-duty diesel engines. In Medwell, Paul, Alwahabi, Zeyad, Evans, Michael, Chan, Shaun, Chinnici, Alfonso, Tian, Zhao, et al. (Eds.) *Proceedings of the 2019 Australian Combustion Symposium*. Combustion Institute, Australia and New Zealand Section, Australia, pp. 101-104, 2019.

#### **2018**

Jafari, M., Borghesani, P., Verma, P., Eslaminejad, A., Ristovski, Z.D. and Brown, R.J. Detection of misfire in a six-cylinder diesel engine using acoustic emission signals. *Proceedings of the ASME 2018 International Mechanical Engineering Congress and Exposition, Volume 11: Acoustics, Vibration, and Phononics*. American Society of Mechanical Engineers Digital Collection, Pittsburgh, Pennsylvania, USA, 9–15 November 2018, pp. 1-4.

Verma, P., Jafari, M., Pickering, E., Guo, Y., Stevanovic, S., Brown, R.J. and Ristovski, Z.D. Impact of fuel oxygen on morphology and nanostructure of soot particles from a diesel engine. In Lau, T C W & Kelso, R M (Eds.) *Proceedings of the 21st Australasian Fluid Mechanics Conference*, Australasian Fluid Mechanics Society, Australia, 2018, pp. 1-4.

Jafari, M., Verma, P., Zare, A., Bodisco, T.A., Ristovski, Z.D. and Brown, R.J. Investigation of diesel engine combustion instability using a dynamical systems approach. In Lau, T C W & Kelso, R M (Eds.) *Proceedings of the 21st Australasian Fluid Mechanics Conference*. Australasian Fluid Mechanics Society, Australia, 2018, pp. 1-4.

#### **2017**

Surawski, N., Chu Van, T., Ristovski, Z.D., Luong Cong, N., Nguyen Lan, H., Yuan, C.S.J., Rahman, S.M., Hossain, F.M., Guo, Y., Milic, A. and Rainey, T.. Effects of sulphur and vanadium contents in diesel fuel on engine performance and emissions: Principal component analysis (PCA). In *11th Asia-Pacific Conference on Combustion, The University of Sydney*, December 2017, pp. 1-4.

Rahman, S.M.A., Hossain, F.M., Van Chu, T., Dowell, A., Islam, M.A., Rainey, T.J., Ristovski, Z.D. and Brown, R.J. Comparative evaluation of the effect of sweet orange oil-diesel blend on performance and emissions of a multi-cylinder compression ignition engine. In Ali, M, Amin, M R, & Sadrul Islam, A K M (Eds.) *Proceedings of the 7th BSME International Conference on Thermal Engineering (AIP Conference Proceedings, Volume 1851, Issue 1)*: AIP Publishing LLC, United States of America, 2017, pp. 1-7.

Chu Van, T., Lan, H.N., Cong, N.L., Garaniya, V., Jahangiri, S., Abbassi, R., Situ, R., Ferraris, M.D., Kimball, R., Ristovski, Z.D. and Rainey, T. Numerical simulation of performance and exhaust emissions of a marine main engine using heavy fuel oil during the whole voyage. In *Proceedings of the 3rd ASEAN Smart Grid Congress and the 5th International Conference on Sustainable Energy* (pp. 29-35). Ho Chi Minh City University of Technology, Vietnam, 2017, pp. 29-35.

Salonen, H., Castagnoli, E., Vornanen-Winqvist, C., Mikkola, R., Duchaine, C., Morawska, L. and Kurnitski, J. Effect of local factors on concentrations and flora of viable fungi in school buildings. *World Academy of Science, Engineering and Technology International Journal of Civil, Environmental, Structural, Construction and Architectural Engineering*. 15(5), 2017, pp. 592-595.

#### **2016**

Chu Van, T., Rainey, T., Ristovski, Z.D., Pourkhesalian, A.M., Garaniya, V., Abbassi, R., Yang, L. and Brown, R.J., 2016, July. Emissions from a marine auxiliary diesel engine at berth using heavy fuel oil. In *Proceedings of the 10th Australasian Heat and Mass Transfer Conference: Selected, Peer Reviewed Papers*. School of Chemistry, Physics and Mechanical Engineering, Queensland University of Technology, Brisbane, Australia, 2016, pp. 81-86.

Van Chu, T., Rainey, T., Ristovski, Z., Pourkhesalian, A.M., Garaniya, V., Abbassi, R., Yang, L. and Brown, R.J. Particle emissions from ships at berth using heavy fuel oil. In *Annual General Assembly of the International Association of Maritime Universities (17th: 2016)*. In Nho, L C (Ed.) *Proceedings of the 17th International Association of Maritime Universities (IAMU) Annual General Assembly (AGA)*: Vietnam Maritime University, Vietnam, 2016 pp. 235-243.

#### **2015**

Pereira, M.L., Vilain, R., Tribess, A. and Morawska, L. Risk assessment for airborne infectious diseases between natural ventilation and split-system air conditioner in a university classroom. *Proceedings of the 23rd ABCM International Congress of Mechanical Engineering*, Rio de Janeiro, Brazil, 6-11 December 2015, pp.1-5.

Hossain, F.M., Nabi, M.N., Rahman, M.M., Zare, A., Rainey, T.J., Stuart, D., Ristovski, Z.D. and Brown, R.J. Experimental investigation of the effects of oxygenated fuels on exhaust emissions in a heavy duty diesel engine. In Yang, Y & Smith, N (Eds.) *Proceedings of the 2015 Australian Combustion Symposium: The Combustion Institute Australia and New Zealand Section*, Australia, December 2015, pp. 56-59.

Babaie, M., Talebizadeh, P., Sia, K.H., Ristovski, Z.D., Rahimzadeh, H. and Brown, R.J. 2015. Removal of secondary aerosols produced during plasma diesel particulate treatment. In Yang, Y & Smith, N (Eds.) *Proceedings of the 2015 Australian Combustion Symposium: The Combustion Institute Australia and New Zealand Section*, Australia, December 2015, pp. 76-79.

Nabi, N., Zare, A., Hossain, M., Rahman, M.M., Stuart, D., Ristovski, Z.D. and Brown, R. Formulation of new oxygenated fuels and their influence on engine performance and exhaust emissions. In Yang, Y & Smith, N (Eds.) *Proceedings of the 2015 Australian Combustion Symposium: The Combustion Institute Australia and New Zealand Section*, Australia, December 2015, pp. 64-67.

Zare, A., Bodisco, T., Nabi, N., Hossain, M., Rahman, M.M., Stuart, D., Ristovski, Z.D. and Brown, R.J. Impact of Triacetin as an oxygenated fuel additive to waste cooking biodiesel: transient engine performance and exhaust emissions. In Yang, Y & Smith, N (Eds.) *Proceedings of the 2015 Australian Combustion Symposium: The Combustion Institute Australia and New Zealand Section*, Australia, December 2015, pp. 48-51.

Babaie, M., Talebizadehsardari, P., Inthavong, K., Ahmadi, G., Ristovski, Z.D., Rahimzadeh, H. and Brown, R.J. An investigation of Nano-particle Deposition in Cylindrical Tubes under Laminar condition using Lagrangian transport model. In Liu, G R & Das,

R (Eds.) *Proceedings of the 6<sup>th</sup> International Conference on Computational Methods, Volume 2, 2015*: ScienTech Publisher, United States of America, 2015, pp. 1-6.

Islam, M.S., Saha, S.C., Sauret, E., Gu, Y. and Ristovski, Z.D. Numerical investigation of aerosol particle transport and deposition in realistic lung airway. In Liu, G R & Das, R (Eds.) *Proceedings of the 6<sup>th</sup> International Conference on Computational Methods, Volume 2, 2015*: ScienTech Publisher, United States of America, July 2015, pp. 1-9.

## **2014**

Mummullage, S., Egodawatta, P., Goonetilleke, A. and Ayoko, G.A. Variability of metal composition and concentrations of road dust in the urban environment. In *Proceedings of the World Academy of Science, Engineering and Technology Conference*, Barcelona, Spain. Published in International Science Index: 0086, 27-28 February 2014, pp. 607-612.

Xi, Y., Sun, Z., Ayoko, G.A. and Frost, R.L. Palygorskite-supported nano zero-valent iron- bisphenol: A degradation study. *Proceedings Australian Clay Minerals Society Conference*, Gilkes RJ (Ed) – Perth, Australia, 3-5 February 2014, pp. 27-30.

## **2013**

Haigh, V., Kaur, G., Couperthwaite, S., Millar, G., Ayoko, G.A. and Frost, R. Development of purification pathways for mineral wastewater. In: *Proceedings of the Sustainable Engineering Society Conference (2013: Canberra, ACT)*. Sustainable Engineering Society (SENG) 2013 conference: Looking back, looking forward. Barton, ACT: Engineers Australia 2013, pp. 112-120.

Babaie, M., Davari, P., Talebizadeh, P., Ristovski, Z.D., Rahimzadeh, H. and Brown, R.J.. Study of particulate matter removal mechanism by using non-thermal plasma technology. In Seetharamu, S (Ed.) *Proceedings of the XIII International Conference on Electrostatic Precipitation*: International Society for Electrostatic Precipitation (ISESP), India, 2013, pp. 1-7.

Rahman, M.M., Stevanovic, S., Brown, R.J., and Ristovski, Z.D. Influence of different alternative fuels on particle emission from a turbocharged common-rail Diesel engine. *Procedia Engineering*, 56, 2013, pp. 381-386.

Cravigan, L., Mallet, M., Ristovski, Z., Vaattovaara, P., Talbot, N., Olivares, G., Harvey, M., Law, C. Marine aerosol hygroscopicity and volatility, measured on the Chatham Rise (New Zealand). *AIP Conference Proceedings*, 1527, 2013, pp. 547-550.

## **2012**

Ayoko G, Bostrom T, Lim YH, Elbagir S. Elemental characterisation and detection of heavy metals in house dusts collected from sites in South-East Queensland, Australia, *Proceedings of the 10<sup>th</sup> Healthy Buildings International Conference 2012*, pp. 1-6.

Gunawardena, J., Egodawatta, P., Ayoko, G.A and Goonetilleke, A. Exploratory investigation of atmospheric total suspended particulate matter and heavy metals in urban air. *Proceedings of the Annual International Conference on Sustainable Energy and Environmental Sciences (SEES 2012)*, pp. 81-86.

Theiss, F.L., Sear-Hall, M.J., Couperthwaite, S.J., Ayoko, G.A. and Frost, R.L., Layered double hydroxides as iodine sorbents, *Proceedings of the combined Australian Regolith Geoscientists Association and Australian Clay Minerals Society Conference 2012*, pp. 83-86.

Lim, Y-H., Ayoko, G.A., Frost, R.L. and Couperthwaite, S.J. Synthesis and characterization of organo-beidellite. *Proceedings of the Australian Regolith and clays Conference Mildura*, Victoria, Australia, 7-10 February 2012, pp. 29-32.

Park, Y., Ayoko, G.A. and Frost, R.L. Thermal analysis and application of organoclays for water purification. *Proceedings of the Australian Regolith and clays Conference Mildura*, Victoria, Australia, 7-10 February 2012, pp. 79-82.

## **2009**

Friend, A., Ayoko, G.A., Stelcer, E. and Cohen, D. Source Identification and Source Apportionment of Air Pollutants in Brisbane, Queensland. *Proceeding of the 19<sup>th</sup> International Clean Air and Environment Conference*, Perth, Australia, 6-9 September 2009, pp. 1-6.

Elbagir, S., Ayoko, G.A. and Kokot, S. Elemental composition of house dust samples from some urban and suburban homes. *Proceeding of the 19<sup>th</sup> International Clean Air and Environment Conference*, Perth, Australia, 6-9 September 2009, pp. 1-6.

Wardoyo, A.Y.P., Morawska, L., Ristovski, Z.D., Jamriska, M. and Carr, S. Particle Characteristics Emitted from Grass Fires in the Northern Territory, Australia. *Proceeding of the 19<sup>th</sup> International Clean Air and Environment Conference*, Perth, Australia, 6-9 September 2009, pp. 1-6.

Morawska, L., Ling, X. and Jayaratne, E.R. Nano and Ultrafine Particle Number Concentrations in Different Environments: Application towards Air Quality Regulations. *Proceeding of the 19<sup>th</sup> International Clean Air and Environment Conference*, Perth, Australia, 6-9 September 2009, pp. 1-6.

Morawska, L., He, C., Johnson, G.R., Jayaratne, E.R., Salthammer, T., Wang, H., Uhde, E., Modini, R., McGarry, P., Bostrom, T., Ayoko, G.A. and Wensing, M. Ultrafine particle emission during the operation of laser printers. *Proceeding of the 19<sup>th</sup> International Clean Air and Environment Conference*, Perth, Australia, 6-9 September 2009, pp. 1-6.

Wensing, M., Delius, W., Omelan, A., Uhde, E., Salthammer, T., He, C., Wang, H. and Morawska, L. Ultrafine (UFP) from laser printers - influence of the fuser unit temperature on the particle formation. *Proceeding of the 9<sup>th</sup> International Conference on Healthy Buildings*, Syracuse, NY, USA, 13-17 September 2009, pp. 1-4.

Wang, H., Morawska, L., He, C., Johnson, G.R., Jayaratne, E.R., Salthammer, T., Uhde, E., Bostrom, T., Modini, R., Ayoko, G.A., McGarry, P. and Wensing, M. How to identify a high-emitting printer? *Proceeding of the 9<sup>th</sup> International Conference on Healthy Buildings*, Syracuse, NY, USA, 13-17 September 2009, pp. 1-4.

Morawska, L., Mengersen, K., Homes, N., Tayphasavanh, F., Darasavong, K. and Wang, H. Housing characteristics and Indoor Air pollution in Lao PDR. *Proceeding of the 9<sup>th</sup> International Conference on Healthy Buildings*, Syracuse, NY, USA, 13-17 September 2009, pp. 1-4.

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## **2008**

Ayoko, G.A., Blinco, J., Kirk, K. and Uhde, E. Exposure to airborne organic compounds inside passenger vehicles. *Proceeding of the 11<sup>th</sup> International Conference on Indoor Air Quality and Climate*, Copenhagen, Denmark, 17-22 August 2008, pp. 1-7.

Wang, L. and Morawska, L. Characterizing and Predicting Ultrafine Particle Number Concentration in an Office by CFD Method. *Proceeding of the First International Conference on Building Energy and Environment*, Dalian, China, 13-16 July 2008, pp. 2107-2111.

Wang, L., Morawska, L. and Jayaratne, E.R. CFD modelling of ultrafine particle number concentration and dispersion at a bus station. *Proceeding of the 11<sup>th</sup> International Conference on Indoor Air Quality and Climate*, Copenhagen, Denmark, 17-22 August 2008, pp. 1-7.

Morawska, L., He, C., Wang, H., McGarry, P., Salthammer, T., Jayaratne, E.R., Johnson, G.R., Bostrom, T., Modini, R., Uhde, E., Ayoko, G.A. and Wensing, M. Particle Emission from Laser Printers: What are the particles and what makes a printer a high emitter? *Proceeding of the 11<sup>th</sup> International Conference on Indoor Air Quality and Climate*, Copenhagen, Denmark, 17-22 August 2008, pp. 1-8.

Morawska, L., Johnson, G.R., Ristovski, Z.D., Hargreaves, M., Mengersen, K., Chao, C., Wan, M., Li, Y., Xie, X. and Katoshevski, D. Droplets expelled during human expiratory activities and their origin. *Proceeding of the 11<sup>th</sup> International Conference on Indoor Air Quality and Climate*, Copenhagen, Denmark, 17-22 August 2008, pp. 1-8.

Situ, R., Brown, R., Ristovski, Z.D., Kruger, U. and Hargreaves, D. Analysis of dual fuel compression ignition (diesel) engine. *Proceedings of the 7<sup>th</sup> International Conference on Modeling and Diagnostics for Advanced Engine Systems*, 2008, pp. 839-846.

Knibbs, L.D., de Dear, R., Morawska, L. and Atkinson, S. On-road quantification of the key characteristics of automobile HVAC systems in relation to in-cabin submicrometer particle pollution. *Proceeding of the 11<sup>th</sup> International Conference on Indoor Air Quality and Climate*, Copenhagen, Denmark, 17-22 August 2008, pp. 1-8.

## **2007**

Morawska, L., Agranovski, V. and Moore, M. State of Epidemiological Evidence for Health Impacts of Ultrafine Particles. *Proceeding of the 14<sup>th</sup> International IUAPPA World Congress*, 9-13 September 2007, pp. 1-7.

Ayoko, G.A. and El-tahir, S. Multivariate Statistical Evaluation of the Chemical Composition of Fine Particles: A Case Study. *Proceeding of the 14<sup>th</sup> International IUAPPA World Congress*, 9-13 September 2007, pp.1-5.

Kumar, A., Bofinger, N. and Ayoko, G.A. Characterisation of Soluble Inorganic PM<sub>10</sub> Aerosols in Brisbane. *Proceeding of the 14<sup>th</sup> International IUAPPA World Congress*, 9-13 September 2007, pp.1-6.

Ong, S.T., Ayoko, G.A., Kokot, S. and Morawska, L. Polycyclic Aromatic Hydrocarbons in House Dust Samples: Source Identification and Apportionment. *Proceeding of the 14<sup>th</sup> International IUAPPA World Congress*, 9-13 September 2007, pp. 1-6.

## **2006**

Uhde, E., He, C. and Wensing, M. Characterisation of Ultrafine Particle Emissions from a Laser Printer. *Proceeding of the Healthy Buildings 2006 Conference*, Lisbon, Portugal, 4-8 June 2006, pp. 479-482.

## **2005**

Jamriska, M., Morawska, L., Yip, M. and Madl, P. Airborne Particulate Matter at a Bus Station: Concentration Levels and Governing Parameter. *Proceeding of the Indoor Air Quality and Climate Conference*, Beijing, 4-9 September, 2005, pp. 1631-1635.

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Morawska, L., He, C. and Gilbert, D. Indoor exposure to submicrometer particles and PM<sub>2.5</sub> in residential houses in Brisbane, Australia. *Proceeding of the Indoor Air Quality and Climate Conference*, Beijing, 4-9 September, 2005, pp. 1641-1645.

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Ayoko, G.A., Lim M. and Morawska, L. Assessing Health Risk Associated with airborne polycyclic aromatic hydrocarbons by Chemometrics and toxic equivalency factors. *Proceeding of the 17<sup>th</sup> International Clean Air & Environment Conference*, Hobart, 3-6 May, 2005, pp. 1-6.

## **2004**

Herngren, L., Goonetilleke, A. & Ayoko, G.A. Investigation of urban water quality using artificial rainfall. *Proceeding of the WEF Watershed Conference, Dearborn, Michigan USA, 14 July 2004*, pp.1-16.

## **2003**

Lim, M., Ayoko, G.A. and Morawska, L. Elemental composition of airborne particles in traffic-affected Brisbane areas. *Proceeding of the National Clean Air Conference: Linking Air Pollution Science, Policy and Management*, 2003, pp. 1-6.

Kelly, C.A., Brown, R.J. and Ayoko, G.A. Under water emissions from a two-stroke outboard engine - A comparison between an EAL and an equivalent mineral lubricant. Tribology in Environmental Design: The Characteristics of Interacting Surfaces - A Key Factor in Sustainable and Economic Products. *Proceeding of the 2<sup>nd</sup> International Conference*, Bournemouth, United Kingdom, 8-10 September, 2003, 26(7), pp.609-617.

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- Ayoko, G.A., Uhde, E., Morawska, L., Kokot, S. and Gilbert, D. Multivariate evaluation of Indoor Air quality, building characteristics and SBS complaints. *Proceeding of the 7<sup>th</sup> International Conference Healthy Buildings*, Singapore 7-11 December, 2003, pp. 1-6.
- Jamriska, M. and Uhde, E. Particle collection efficiency of sorbent tubes. *Proceeding of the 7<sup>th</sup> International Conference Healthy Buildings Conference*, Singapore 7-11 December, 2003, pp. 129-133.
- Hasselaar, E., Klunder, G., and Morawska, L. Integrating health and sustainability in life cycle assessment. *Proceeding of the 7<sup>th</sup> International Conference Healthy Buildings Conference*, Singapore, Stallion Press, 7-11 December, 2003, pp. 467-473.
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- He, C., Morawska, L., Hitchins, J. and Gilbert, D. Indoor and outdoor nitrogen dioxide concentration in residential houses in Australia. In *Proceedings of ISIAQ 7<sup>th</sup> International Conference*, National University of Singapore, 7-11 December, 2003, pp. 409-413.
- Morawska, L. and He, C. Relationship between indoor/outdoor concentrations of particles: A critical review. *Proceeding of the 7<sup>th</sup> International Conference Healthy Buildings Conference*, Singapore, 7-11 December, 2003, pp. 212-218.
- Morawska, L. How can land and urban development make house healthier? *Proceeding of the 7<sup>th</sup> International Conference Healthy Buildings Conference*, Stallion Press, Singapore, 7-11 December, 2003, pp. 81-97.
- Lim, M., Ayoko, G.A. and Morawska, L. Elemental composition of airborne particles in traffic affected Brisbane areas. *Proceeding of the National Clean Air Conference*, Newcastle, 23-27 November, 2003, pp. 1-6.
- Jamriska, M., Morawska, L., Thomas, S. and He, C. Diesel Bus Emissions of Submicrometer Particles Measured in a Tunnel Study. *Proceeding of the National Clean Air Conference*, Newcastle, 23-27 November, 2003, pp. 1-6.
- Ristovski, Z.D., Morawska, L., Moore, M., Agranovski, V., Swanson, C. and Hughes, D. The impact of sulphur content of diesel fuel on ultrafine particle formation. *Proceeding of the National Clean Air Conference*, Newcastle, 23-27 November, 2003, pp. 1-6.
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## **2001**

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## ***Other – Refereed Scholarly Conference Papers / Abstracts***

### **2022**

Morawska, L. and Huang, W. Factors contributing to limited progress in IAQ management and how to change it: a review. Indoor Air 2022 Conference, 17<sup>th</sup> International Conference of the International Society of Indoor Air Quality & Climate, Kuopio, Finland, 12-16 June 2022.

## **2021**

Priyankara, D., Yasaratne, D., Jayaratne, E.R., Senarathne, M., Abeysundara, S., Weerasooriya, R., Morawska, L., Knibbs, L.D., Megadarra, D., Dharmage, S. and Bowatte, G. Ambient PM<sub>2.5</sub> Exposure and Respiratory Disease Hospitalization in Kandy, Sri Lanka. ERS Lung Science Conference 2021.

## **2020**

Shahariar, G.M.H., Bodisco, T.A., Chu Van, T., Surawski, N., Sajjad, M., Suara, K.A., Ristovski, Z.D. and Brown, R. Optimisation of driving-parameters and emissions of a diesel-vehicle using principal component analysis (PCA). In Chanson, H. & Brown, R. (Eds.) *Proceedings of the 22<sup>nd</sup> Australasian Fluid Mechanics Conference, AFMC2020*. The University of Queensland, Brisbane, Queensland, Australia, 2020.

Cole-Hunter, T., Asumadu-Sakyi, A., Dansie, A., Hilly, J., Kim, R., Morawska, L. Air quality exposure monitoring and management for health in the low-to-middle income countries of the Western Pacific: a systematic review of the literature. Invited poster presentation at (Virtual) 30th Annual Meeting of the International Society for Exposure Science, 21-22 September 2020.

## **2019**

Cole-Hunter, T., Jayaratne, R., Turagabeci, A., Jagals, P., Gucake, J., Knibbs, L., Jalaludin, B., Morawska, L. Air pollution, energy, and health in the Pacific: a low-cost solution for evidence-based clean-energy transition. Invited oral presentation at 24th International Clean Air and Environment (CASANZ) conference, Queenstown, New Zealand, 16-18th September 2019.

Knibbs, L., Cole-Hunter, T., Jayaratne, R., Turagabeci, A., Jagals, P., Gucake, J., Jalaludin, B., Morawska, L. Evidence to support clean-energy transition and related health co-benefits: air quality monitoring in Suva, Fiji. Invited poster presentation at 2019 Annual Conference of the International Society for Environmental Epidemiology, Utrecht, The Netherlands, 25-28th August 2019.

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Kuhn, T., Jayaratne, E.R., Thai, P.K., Christensen, B., Lamont, R., Zing, I., Liu, X., Dunbabin, M. and Morawska, L. KOALA low-cost air quality monitoring network at a major sports event. European Aerosol Conference 2019, Gothenburg, Sweden, 25-30 August 2019 (Oral Presentation).

Morawska, L., Xiu, M., He, C., Buonanno, G., McGarry, P., Maumy, B., Stabile, L. and Thai, P.K.. Laser Printers Particles Emissions Revisited. European Aerosol Conference 2019, Gothenburg, Sweden, 25-30 August 2019 (Oral Presentation).

Nyarku, M., Buonanno, G., Jayaratne, E.R., Mazaheri, M., Dunbabin, M., Rahman, M.M., Uhde E. and Morawska, L. Ultrafine particles in Accra, Ghana: sources, concentrations and exposures. European Aerosol Conference 2019, Gothenburg, Sweden, 25-30 August 2019. (Oral Presentation Backup).

## **2018**

Rahman, S.M., Rainey, T.J., Dowell, A., Nabi, M.N., Babaie, M., Ristovski, Z.D. and Brown, R.J. Evaluation of waste essential oil as a diesel fuel supplement. 2<sup>nd</sup> *International Conference on Bioresource Technology for Bioenergy, Bioproducts & Environmental Sustainability*, Sitges, Spain, 16-19 September 2018.

Jayaratne, E.R., Pushpawela, B., Morawska, L. and Gao, J. New Particle Formation and Haze Events in Beijing. 10<sup>th</sup> International Aerosol Conference (IAC 2018), America's Center in St. Louis, Missouri, USA, 2-7 September 2018.

Pushpawela, B., Jayaratne, E.R., Morawska, L. Temporal Distribution of New Particle Formation Events in Brisbane, Australia. 10<sup>th</sup> International Aerosol Conference (IAC 2018), America's Center in St. Louis, Missouri, USA, 2-7 September 2018.

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## **2017**

Rahman, S.M. Ashrafur, Van, T.C., Hossain, F.M., Dowell, A., Islam, M.A., Nabi, M.N., Marchese, A.J., Tryner, J., Suara, K., Bodisco, T., Rainey, T., Ristovski, Z.D. and Brown, R.J. Experimental investigation of engine performance, emission and combustion characteristics of tea tree oil blend in a CI engine. In Asia Pacific Conference on Combustion, Sydney, New South Wales, 10-14 December 2017 (Unpublished).

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Quang, T.N., Hue, N.T., Dat, M.V., Thai, P. and Morawska, L. Particle number concentrations indoor and outdoor of six households in Hanoi, Vietnam – An exploratory assessment. Clean Air Society of Australia and New Zealand 2017 Conference (CASANZ2017). Brisbane, Australia, 15-18 October 2017.

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Pushpawela, B., Jayaratne, E.R., and Morawska, L. The formation rate of secondary particles in Brisbane. Clean Air Society of Australia and New Zealand 2017 Conference (CASANZ2017). Brisbane, Australia, 15-18 October 2017.

Villa, T.F., Brown, R., Jayaratne, E.R., Gonzalez, F., Morawska, L. and Ristovski, Z. Towards the use of unmanned aerial vehicles for the assessment of ship emissions. Clean Air Society of Australia and New Zealand 2017 Conference (CASANZ2017). Brisbane, Australia, 15-18 October 2017.

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- de Jesus, A.L., Rahman, M.M., Mazaheri, M., Knibbs, L., Qiao, L., Ping, L., Querol, X., Reche, C. and Morawska, L. Relationship between PM<sub>2.5</sub> and particle number concentration in urban areas. Clean Air Society of Australia and New Zealand 2017 Conference (CASANZ2017). Brisbane, Australia, 15-18 October 2017.
- Rahman, M.M. and Morawska, L. Comparing the performance of machine learning algorithms for predicting ambient ultrafine particles concentration in the Brisbane metropolitan area. Clean Air Society of Australia and New Zealand 2017 Conference (CASANZ2017). Brisbane, Australia, 15-18 October 2017.
- Guo, Y., Jafari, M., Stevanovic, S. and Ristovski, Z.D., The performance of the after treatment devices on the biodiesel particulate size. Clean Air Society of Australia and New Zealand 2017 Conference (CASANZ2017). Brisbane, Australia, 15-18 October 2017.
- Chu Van, T, Ristovski, Z.D., Garaniya, V., Kimball, R. and Brown, R.J. On-board measurements of particle and gaseous emissions from a large cargo vessel at different operating conditions. European Aerosol Conference 2017, Zürich, Switzerland, 27 August – 1 September 2017.
- Liu, X., Mabon, A., Asumadu-Sakyi, A., Mazaheri, M., Jayaratne, E.R., Dunbabin, M., and Morawska, L. The effect on temperature and humidity on the performance of low-cost-PM sensors. European Aerosol Conference 2017, Zürich, Switzerland, 27 August – 1 September 2017.
- Pushpawela, B., Jayaratne, E.R., and Morawska, L. Relative formation times of charged and neutral particles in an urban environment. European Aerosol Conference 2017, Zürich, Switzerland, 27 August – 1 September 2017.
- Larcombe, K., Jayaratne, E.R., and Ayoko, G.A. Sources of PM<sub>10</sub> at an urban air monitoring site in New South Wales, Australia. European Aerosol Conference 2017, Zürich, Switzerland, 27 August – 1 September 2017.
- Pushpawela, B., Nguy, A., Jayaratne, E.R. and Morawska, L. Efficiency of an ionizer in removing airborne particles. European Aerosol Conference 2017, Zürich, Switzerland, 27 August – 1 September 2017.
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- Mazaheri, M., Reche, C., Rivas, I., Álvarez-Pedrerol, M., Viana, M., Alastuey, A., Sunyer, J., Crilley, L., Querol, X. and Morawska, L. Assessment of traffic-related emissions on exposure to particles at schools (Oral Presentation). European Aerosol Conference 2017, Zürich, Switzerland, 27 August – 1 September 2017.
- Morawska, L., Kumar, P., Jabbour, N., Jayaratne, E.R., Johnson, G.R., Alroe, J., Uhde, E., Salthammer, T., Cravigan, L., Faghihi, E.M. A New Mechanism of Ultrafine Particle Generation during Concrete Fracture. Poster Presentation. European Aerosol Conference 2017, Zürich, Switzerland, 27 August – 1 September 2017.
- Tran, Q. Thai, P. and Morawska, L. Particle number concentrations indoor and outdoor of six households in Hanoi, Vietnam – an exploratory assessment (Oral Presentation). European Aerosol Conference 2017, Zürich, Switzerland, 27 August – 1 September 2017.
- Salonen, H., Castagnoli, E., Vornanen-Winqvist, C., Mikkola, R., Duchaine, C., Morawska, L. and Kurnitski J. The effects of local factors on the concentrations and flora of viable fungi in school buildings. 19<sup>th</sup> International Conference on Civil and Building Engineering (ICCB2017), Boston, USA, 24-25 April 2017. **Has been selected as the Best Paper Award.**

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- Liu, X., Asumadu-Sakyi, A.B., Nyarku, M., Mazaheri, M., Thai, P., Morawska, L., and Jayaratne, E.R. Low cost sensor network for indoor air quality monitoring in residential houses: Lab and indoor tests of two PM Sensors. 7<sup>th</sup> International Conference Energy Environmental Residential Buildings, Brisbane, Australia, 20-24 November 2016.
- Cravigan, L., Ristovski, Z., Alroe, J., Mallet, M., Miljevic, B., Selleck, P., Keywood, M., Ward, J., Molloy, S., and Humphries, R. Contributions to Southern Ocean cloud condensation nuclei inferred from water uptake and volatility. 12<sup>th</sup> Annual Workshop of the Australia New Zealand Aerosol Assembly, Queensland University of Technology, Brisbane, Australia, 4-5 August 2016.
- Humphries, R. Keywood, M., Ward, J., Cravigan, L., Ristovski, Z. and Jayaratne, R. Atmospheric gradients of aerosol properties across the Antarctic Polar Front. 12<sup>th</sup> Annual Workshop of the Australia New Zealand Aerosol Assembly, Queensland University of Technology, Brisbane, Australia, 4-5 August 2016.
- Jayaratne, E.R., Pushpawela, B., He, C., Morawska, L. and Gao, J. First Observations of New Particle Formation in Beijing using a Neutral Cluster and Air Ion Spectrometer (NAIS). 12<sup>th</sup> Annual Workshop of the Australia New Zealand Aerosol Assembly. Queensland University of Technology, Brisbane, Australia, 4-5 August 2016.
- Porncharoen, S., Jayaratne, E.R., Chen, J., Ye, X., Li, C. and Morawska, L. Airborne Particle Concentration in the Yangtze River Basin. 12<sup>th</sup> Annual Workshop of the Australia New Zealand Aerosol Assembly, Queensland University of Technology, Brisbane, Australia, 4-5 August 2016.
- Pushpawela, B., Jayaratne, E.R. and Morawska, L. The balance between charged and neutral particles and clusters in the Brisbane airshed. 12<sup>th</sup> Annual Workshop of the Australia New Zealand Aerosol Assembly, Queensland University of Technology, Brisbane, Australia, 4-5 August 2016.
- Jayaratne, E.R., Cravigan, L., Alroe, J. and Ristovski, Z. Neutral Cluster and Air Ion Spectrometer (NAIS) measurements during the passage across the southern polar front. 12<sup>th</sup> Annual Workshop of the Australia New Zealand Aerosol Assembly, Queensland University of Technology, Brisbane, Australia, 4-5 August 2016.
- Nguy, A., Jayaratne, E.R., Pushpawela, B. and Morawska, L. Efficiency of an Ionizer in Cleaning Airborne Particles. 12<sup>th</sup> Annual Workshop of the Australia New Zealand Aerosol Assembly, Queensland University of Technology, Brisbane, Australia 4-5 August 2016.
- McGarry, P., Clifford, S., Knibbs, L.D., He, C. and Morawska, L. Application of multi-approach to characterisation of particle emissions from nanotechnology processes. 12<sup>th</sup> Annual Workshop of the Australia New Zealand Aerosol Assembly, Queensland University of Technology, Brisbane, Australia, 4-5 August 2016.
- Akbarnezhad, S., Soltani, A., Morawska, L. and Rainey, T. Experimental investigation on filtration efficiency of quartz fibrous filters in capturing soot aerosol particles. 12<sup>th</sup> Annual Workshop of the Australia New Zealand Aerosol Assembly, Queensland University of Technology, Brisbane, Australia, 4-5 August 2016.

- Villa, T., Jayaratne, R., Morawska, L. and Gonzales, F. Monitoring above-ground airborne pollution using unmanned aerial vehicles. 12<sup>th</sup> Annual Workshop of the Australia New Zealand Aerosol Assembly, Queensland University of Technology, Brisbane, Australia, 4-5 August 2016.
- Mabon, A., Liu, X., Asumadu-Sakyia, A.B., Nyarku, M., Jayaratne, E.R., Morawska, L. and Dunbabin, M. Laboratory assessment of external factors influence on Low-cost PM sensors readings. 12<sup>th</sup> Annual Workshop of the Australia New Zealand Aerosol Assembly, Queensland University of Technology, Brisbane, Australia, 4-5 August 2016.
- Liu, X., Mabon, A., Asumadu-Sakyi, A.B., Nyarku, M., Mazaheri, M., Jayaratne, E.R., Morawska, L. and Dunbabin, M. Experimental evaluation of low cost PM sensor for urban air quality monitoring. 12<sup>th</sup> Annual Workshop of the Australia New Zealand Aerosol Assembly, Queensland University of Technology, Brisbane, Australia, 4-5 August 2016.
- Xiu, M., Rahman, M.M., Pourkhesalian, A.M., Nguyen, H., Stevanovic, S., Morawska, L. and Thai, P. Preliminary characterization of emission from burning waste paper briquettes and other commercial fuels. 12<sup>th</sup> Annual Workshop of the Australia New Zealand Aerosol Assembly. Queensland University of Technology, Brisbane, Australia, 4-5 August 2016.
- Rizza, V., Stabile, L., Buonanno, G. and Morawska, L. Variability of airborne particle metrics in urban area. 12<sup>th</sup> Annual Workshop of the Australia New Zealand Aerosol Assembly, Queensland University of Technology, Brisbane, Australia, 4-5 August 2016.
- Yeganeh, B. The application of remote sensing technology in air quality modelling. 12<sup>th</sup> Annual Workshop of the Australia New Zealand Aerosol Assembly, Queensland University of Technology, Brisbane, Australia, 4-5 August 2016.
- Salonen, H., Kurnitski, J., Kosonen, R., Hellgren, U.-M., Lappalainen, S., Peltokorpi, A., Reijula, K. and Morawska, L. The effects of the thermal environment on occupants' responses in health care facilities: A literature review. 9<sup>th</sup> International Conference on Indoor Air Quality, Ventilation & Energy Conservation in Buildings (IAQVEC2016).
- Ayoko, G.A., Jayaratne, E.R. and Mummullage, S. Three-way positive matrix factorization analysis of PM<sub>10</sub> in Brisbane, Australia. European Aerosol Conference 2016, Tours, France, 4-9 September 2016.
- Ayoko, G.A., Jayaratne, Park, Y. and Friend, A.J. Exploratory application of the 3-way PMF to PM<sub>2.5</sub> and PM<sub>10</sub> at two sites in Queensland, Australia. European Aerosol Conference 2016, Tours, France, 4-9 September 2016.
- He, C., Mackay, I., Ramsay, K., Liang, Z., Kidd, T., Knibbs, L.D., Johnson, G., Coulthard, M., Long, D., Williams, T., Wainwright, C. and Morawska, L. Characteristics of Particles Concentration in a Paediatric Intensive Care Unit (PICU). European Aerosol Conference 2016, Tours, France, 4-9 September 2016.
- He, C., Knibbs, L.D., Tran, Q., Wang, H. and Morawska, L. Indoor Particle Sources and Spatial Variation of Particle Concentration in a Prison. European Aerosol Conference 2016, Tours, France, 4-9 September 2016.
- Falcão, L., Clifford, S., Mazaheri, M., Broday, D. and Morawska, L. The influence of meteorology of indoor PM<sub>2.5</sub> concentration: application of advanced modelling techniques. European Aerosol Conference 2016, Tours, France, 4-9 September 2016.
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- Falcão, L., Clifford, S., Morawska, L. and Broday, D. Non-Parametric estimation of the influence of meteorology on Indoor and Outdoor Air. 4th Workplace and Indoor Aerosols Conference, Barcelona, Spain, 20-22 April 2016.
- Salonen H., Duchaine C., Létourneau V., Mazaheri M., Laitinen S., Clifford S., Lappalainen S., Reijula S. and Morawska L. Factors affecting endotoxins in settled dust in different indoor environments — A review. 18<sup>th</sup> International Conference on Air Pollution and Control (ICAPC), Rio de Janeiro, Brazil, 1-2 February 2016.

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- Buonanno, G., Giovinco, G., Mazaheri, M., Thai, P., Morawska, L., Stabile, L., Fuoco, F.C. and Rizza, V. Lung cancer risk of airborne particles for Australian population, Metrology Society of Australasia (MSA2015), Queenstown, New Zealand, 14-16 October 2015.
- Karunasinghe, J., Knibbs, L.D., Clifford, S., Salimi, F. and Morawska, L. Land use regression model (LUR) for ultrafine particles in Brisbane. 9<sup>th</sup> Aerosol Conference 2015, Kanazawa, Japan, 23 -27 June 2015.
- Clifford S., Mazaheri M., Yeganeh B., Mengersen K., Marks G. and Morawska L. Uncertainty in exposure estimates & imputation of missing aerosol data in an epidemiological study. European Aerosol Conference, Milan, Italy, 6-11 September 2015.
- Mishra, N., Ayoko, G.A. and Morawska, L. Source apportionment of polycyclic aromatic hydrocarbons in urban environment. European Aerosol Conference, Milan, Italy, 6-11 September 2015.
- Morawska, L., Johnson, G.R., Knibbs, L.D., Kidd, T.K., Cheney, J., Grimwood, K., Kattenbelt, J.A., O'Rourke, P.K., Ramsay, K.A., Sly, P.D., Wainwright, C.E., Wood, M.E. and Bell, S.C. Broadening the Perspective on the Airborne Transmission of Respiratory Infection, European Aerosol Conference 2015, Milan, Italy, 6-11 September 2015.
- Mazaheri, M., Clifford, S. and Morawska, L., Inhaled particle surface area dose: stationary vs personal monitoring. European Aerosol Conference, Milan, Italy, 6-11 September 2015.
- Rahman, M.M., Mazaheri, M., Clifford, S. and Morawska, L. Characterisation and Sources of Ultrafine Particles in an Inner City Urban Area. European Aerosol Conference, Milan, Italy, 6-11 September 2015.
- Rahman, M.M., Cope, M., Mazaheri, M. and Morawska, L. Evaluation of a meteorological and three-dimensional chemical transport model for gaseous and particle concentrations in an urban airshed. European Aerosol Conference, Milan, Italy, 6-11 September 2015.
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- Salonen, H., Lahtinen, M., Lappalainen, S., Morawska, L. and Reijula, K. Effects of carpet on human health and wellbeing in health care facilities. 10th International Scientific Conference International Occupational Hygiene Association 2015 Conference (IOHA), London, UK, 25-30 April 2015.
- Salonen, H., Lahtinene, M., Lappalainen, S., Knibbs, L.D., Morawska, L. and Reijula, K. Seeing and experiencing nature – factors



that affect health and wellbeing in health care facilities. International Congress on Occupational Health, Coex, Seoul, Republic of Korea, 31 May 2015 – 5 June 2015.

Salonen, H., Lahtinen, M., Lappalainen, S., Knibbs, L.D., Morawska, L. and Reijula, K. Effects of art and music on human well-being in health-care facilities – a review. International Congress on Occupational Health, Coex, Seoul, Republic of Korea, 31 May 2015 – 5 June 2015.

Nabi, M.N., Zare, A., Hossain, F.M., Bodisco, T.A., Rahman, M., Ristovski, Z.D and Brown, R.J. Steady-state and transient diesel engine test cycles: Issues associated with the introduction of bio-fuels. In *1<sup>st</sup> International Conference on Sustainable Fuels for IC Engines in Emerging Nations*, Taj Palace Hotel, New Delhi, India, 2-3 February 2015 (Unpublished).

Thompson, A., Blinco, J., Bottle, S. and Ristovski, Z.D. Development of solid phase chemosensors for the detection of reactive oxygen species in particulate matter. In *Royal Australian Chemical Institute National Congress*, Adelaide, Australia, 7-12 December 2014.

## **2014**

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