

Date of Birth: 21st October 1962 ♦ **Place of Birth:** Dublin, Ireland ♦ **Nationality:** Irish

Education

University of Liverpool (UK) – MSc in Information Technology (2009). My dissertation was entitled “*A methodology for the data-driven evaluation of voter registration databases in developing and post-conflict countries*”.

University of Limerick, Ireland – National Diploma in Computer Engineering (1983)

Publications

“Feasibility Study - On the Introduction of New Elections Technology for Ukraine”, IFES Ukraine, on behalf of the Ministry of Digital Transformation, Ukraine, February 2020, available <https://ifesukraine.org/publications/?lang=en>

“Pakistan's Internet Voting Experiment”, Proceedings of the E-Vote-ID 2019 Conference, R. Krimmer, et al (eds), TalTech Press, 2019, ISBN 978-9949-83-473-0 Awarded “Best Paper (Practitioners Track).”

“Electoral Results Management Systems: Catalogue of Options”, EU/UNDP Joint Task Force on Electoral Assistance, 2015, lead author. Available at www.ec-undp-electoralassistance.org

“Towards 2015 Elections in Indonesia - the need to develop e-Recap and avoid EVM”, IFES Indonesia, 2015, lead author. Available at www.rumahpemilu.org

“Summary Report – Thematic Workshop on ICT and Elections Management”, EU/UNDP Joint Task Force on Electoral Assistance, 2012, lead author. Available at www.ec-undp-electoralassistance.org

“Electronic Voting Machines – DRI Briefing Paper 11”, Democracy Reporting International, 2011, lead author, available at www.democracy-reporting.org

“Electronic Voting in Ireland – a case study” in *“Direct Democracy: Progress and Pitfalls of Election Technology”*, IFES/Applied Research Center, July 2010, Michael Yard (editor). Available at www.ifes.org

“From Power Outages to Paper Trails: Experiences in Introducing Technology into the Elections Process”, IFES/Applied Research Center, March 2007, co-authored a chapter. Available at www.ifes.org

“Evaluation of UNDP contribution to strengthening electoral systems and processes”, UNDP Evaluation Office, 2012, Team Member, author of ICT Thematic Case Study component.

Employment History

I am pre-cleared on UN roster at P5 (Senior Electoral Officer) and P4 (Electoral Officer) levels. I am also on the UNDP's Crisis Response Unit roster.

2009 – 2020 Elections Management, Technology and Voter Registration Consultant

- February-March 2020, Senior Advisor on Elections Technology, UNDP **Kyrgyzstan**. Support to Elections project on strategic options for technology procurement.
- October-November 2019, team leader and co-author of Feasibility Study on new electoral technologies for Ministry of Digital Transformation, IFES **Ukraine**
- May-September 2019 – Transition managing move from Switzerland to Ukraine
- March-April 2019, wrap-up mission to UNDP **Pakistan** to conduct post-electoral workshops and prepare ICT-related inputs for strategic planning at ECP.
- February-March 2019 - Senior Advisor/BVR - feasibility study, UNDP **Ethiopia**
- December 2018 - presenter and moderator, IFES conference on Cybersecurity and Elections in **Ukraine**
- March - October 2018 - RMS/IT Operations Advisor, UNDP **Pakistan**
- February 2018 - Results Management Expert, consultancy for IFES **Ukraine**
- October - November 2017 - Voter Registration and Results Management - EU Expert **Cambodia** (Konrad Adenauer Foundation/UNOPS/European Union)

- August/September 2017 - Developed and delivered BVR workshop content for civil society and citizen observer organisations, **Zimbabwe** for DAI Europe
- July 2017 - Developed electoral database (Observer Roster) for **SADC Electoral Support Unit** Gaborone, Botswana on behalf of UN/DPA/EAD
- May - June 2017 - electoral results management consultancy for UNDP **Sierra Leone**
- March - April 2017 - member United Nations Electoral Needs Assessment Mission to **Somalia**
- February 2017 - Senior VR and Technology Advisor, UNDP **Afghanistan**
- November 2016 - Developed electoral information system for **CARICOM** Foreign and Community Relations division on behalf of UN/DPA Electoral Assistance Division (Guyana).
- October 2016 - lead author of Democracy Reporting International **Pakistan** briefing paper on Voter Registration
- August 2016 - Senior Elections and Technology Advisor, UNDP **Afghanistan**. A brief mission to assess and discuss elections and technology policy issues with electoral stakeholders including the government, the IEC and civil society.
- June-July 2016 - ICT and Voter Registration Advisor with IFES **Nigeria** assessing INEC's information systems and capacity and providing expert advice and support.
- February-March 2016 - Prepare and deliver workshops to civil society groups on voter registration processes including biometric technologies for IFES **Zimbabwe**.
- February 2016 - invited to present on biometrics, electronic voter identification and electronic voting to a Election Technology Seminar for members of parliamentary committee on electoral reforms in **Pakistan** (UNDP Pakistan, co-hosted with Election Commission of Pakistan)
- October - December 2015, **Cambodia**, EU Expert on voter registration in support of National Elections Commission. (Contracted by Altair/CEU for European Union)
- June 2015, UNDP **Solomon Islands**, conduct data-driven evaluation of BVR database, make recommendations for field survey and future options for VR update
- May 2015, IFES Kenya, research and recommendations to IEBC on sustainable electoral technology options, Nairobi, **Kenya**
- February - May 2015 - **European Union** (EEAS, contracted via DAI Europe) co-author of study on Voter Registration and Biometrics designed to increase capacity of EU EOM/EEM with respect to observation of voter registration. **Brussels**, Belgium and home.
- March 2015 - invited by **OSCE/ODIHR** to participate in conference on Population Registration, Data Protection and the Right to Private Life, Bishkek, **Kyrgyzstan**
- January 2015 - IFES Indonesia - research and briefing paper advice on results management systems and electronic voting machines. Jakarta, **Indonesia**
- October - December 2014 - attended **eVoting 2014** conference, Bregenz, Austria, taking German language course, Bern, Switzerland, preparing for UN/UNDP Electoral Roster P5 written examination (passed, now on both P4 and P5 rosters)
- August-October 2014 - **Fiji** Elections Office - advisor on results management system, Democracy Reporting International
- June 2014 - member of UNDP electoral project formulation mission to **Kyrgyzstan**
- March 2013 - May 2014 **UNDP Yemen** -Voter Registration Specialist advising STEP Project and the Supreme Commission on Elections and Referenda, Yemen, year-long LTA including missions to Denmark, Yemen, France.
- March 2014 - Facilitated workshop on Citizen Observation of Biometric Voter Registration, **NDI**, Abidjan, Cote d'Ivoire
- March 2014 - contributing technical content to an **EU/UNDP Joint Task Force** on Electoral Assistance publication on Results Management Systems
- February 2014 - Developed and delivered training modules on biometric voter registration for EU-EOM Core Team Electoral Analysts for **EODS**, Brussels, Belgium
- January 2014 - UN Electoral Assistance Division - member of Needs Assessment Mission team to **Kyrgyzstan**
- Mission to Dhaka to review preparations for polling-station results management system on behalf of UNDP **Bangladesh** Country Office (October 2013)

- IFES project (September 2013) preparing training curricula and course content for the Elections Commission of **India**.
- July 2012 – March 2013 – IFES **Kenya** - ICT consultant, counterparting the Director of ICT of the Independent Electoral and Boundaries Commission of Kenya. Follow up visit to Kenya in July 2013.
- October 2013 – International IDEA/**ACE Project** – update to ACE Project Vote Counting topic, now titled Results Management Systems
- April 2012 – contracted by UNDP **Kenya** to provide technical assistance to BVR, EVID, RMS and other electoral technology procurement and implementation processes. Nairobi, Kenya (approximately 6 months in Kenya over 1 year)
- December 2011 – February 2012 – member of **UNDP** team conducting thematic evaluation of the contribution of UNDP to strengthening electoral systems and processes – responsible for ICT case study.
- December 2011/January 2012 – curriculum development and training delivery for **NEEDS** project on new EU Election Observation Mission core team Electoral Data Analyst role, Brussels, Belgium
- September 2011 – April 2012 Contracted by **EC/UNDP Joint Task Force** as Elections ICT Expert to develop content for eLearning course on technology in elections, and facilitate Thematic Workshop in March 2012, prepare workshop proceedings for publication. Brussels, Belgium; Mombasa, Kenya
- February 2011 – Contracted by IFES to guide evaluation of voter registration and related databases in **Moldova**.
- February 2011 (and December 2010) – Missions to **Sierra Leone** for UNDP. Advising on voter registration processes and biometric voter registration kit hardware, software, back end AFIS and related systems procurement.
- November-December 2010 – Local Election Framework Assessment of Khyber Pakhtunkhwa province, **Pakistan** for Democracy Reporting International
- July-October 2010 – EU Election Expert Mission to **Zambia** – three month mission to Zambia to observe voter registration.
- March-April 2010 – Democracy Reporting International, preparing Local Election Framework Assessments as part of an EU project in **Pakistan**.
- February 2010 – four-week project formulation mission at UNDP **Bangladesh** including voter/civil registry, results management and other electoral ICT components.
- January 2010 – two week voter registration assessment in **Moldova** for IFES. Prepared report entitled “Functional Review of Voter Registration Process in Moldova”, available from IFES Moldova.
- December 2009 - three week assessment mission to Phnom Penh on voter registration options in **Cambodia** for UNDP
- August – September 2009 - OSCE/ODIHR Election Support Team - Voter Registration Specialist - Presidential elections in **Afghanistan**

2006 – 2009 – IFES Pakistan

Senior Voter Registration Advisor on the IFES Pakistan project. Provided technical inputs to IFES electoral projects in Puerto Rico, Afghanistan, Iraq and Egypt.

2000 – 2006 McDermott Information Systems

Established McDermott Information Systems (mcdis) in 2000. From March 2004, the emphasis was on IT in elections administration. Clients / projects include:

- **UN** (MINUSTAH, UN Mission in Haiti www.minustah.org), Senior IT Advisor, Electoral Assistance Section, Port au Prince, **Haiti**, Dec 2005 – June 2006. Focus on results management applications and pollworker human resource databases.
- **IFES** (www.ifesnigeria.org) Assessment of ICT capacity of INEC **Nigeria** (consultancy, funded by DFID, Oct/Nov 2005).
- **UNDP**, ICT Consultancy, APEC (Electoral Support) Project, Kinshasa, **Democratic Republic of Congo**, April/May 2005. Follow-up mission to Zetes (Belgium) for Software Validation, May 2005.
- **IFES** (www.ifes.org) IT Advisor to National Electoral Commission of **Liberia**, January/February 2005.

- **UN** (United Nations Mission to Liberia UNMIL), IT Advisor to the UNMIL Electoral Division, October/November 2004. Planning and establishment of IT unit in support of voter registration and elections, **Liberia** 2005.
- **IFES (UK) Ltd** IT Advisor to National Electoral Commission of **Sierra Leone**, Local Government Elections 2004 (March-June).
- **The International Foundation for Elections Systems** (www.ifes.org), IT Operations Manual for Guyana Elections Commission, Consultancy (USAID project), Q4 2003.
- **The Delegation of the European Commission** to Guyana & Suriname (contract IT support, [website](#) development, training)
- The **Guyana Elections Commission** (member Database Integrity Test Committee 2000/Technical Oversight Committee General Elections 2001)
- Developed websites for a variety of clients including the **British High Commission**, and **Delegation of the European Commission** in Guyana.

1997 to 2000 – Industrial Engineering Limited, Guyana

Title: IT Systems Engineer Responsible for all ICT hardware and software specification, commissioning, user training and support.

1995 to 1997 – Guyana Publications Limited, Georgetown, Guyana.

Title: General Manager Managed the daily business and technical functions GPL, publishers of Stabroek News and Sunday Stabroek, national daily and weekly newspapers.

1989 to 1995 – Ericsson United Kingdom

Title: Technical Training Officer, Local Switching Systems Division (LSS) Assessed technical competence development needs. Procured, scheduled, developed and delivered the necessary training for over 700 technical staff. Previous roles included Systems and Commissioning Engineer.

1987 to 1989 – NorthWest Associates, Sligo, Ireland (NWA)

Title: Program Leader Taught and administered training courses for NWA on behalf of FÁS, the Irish government training agency.

Other Information

Hobbies and pastimes include music, travel, literature, hiking, cookery, technology and current affairs. In August 2009 I trekked the Baltoro Glacier to Concordia (adjacent K2 Base Camp) and crossed Gondogoro La Pass – 5,940m – in Northern Pakistan. I live in Kyiv, Ukraine, where my wife is posted with the Swiss Embassy.

tel: +380 66 586 4643 (Ireland/Europe)

email: ronan@mcdis.com

Professional and Character References - on request*
--

*UN system recruiters please note that I am rostered at P4 and P5 on UN/DPA/EAD electoral roster. I am also on the UNDP Crisis Response Unit's roster.
--