

👨🏾‍💼Dr Godwin Caruana, PhD, CITP, SACM

📱 +356 99458592 / 📧 godwin.caruana@gmail.com

🏢 17, Enchante, Triq is-Salvatur, ATD 1542, Attard

🇲🇹 Maltese / 👨🏻 Male

💾 Current Roles

🔖 **Director, Centre for Entrepreneurship and Business Incubation**

🔖 **Resident Academic** at the **Department of Business and Enterprise Management** at the **University of Malta** (**L-Università ta' Malta**)

- 💡 Rector's Delegate for Technological Matters
- 💡 Chair Internet Foundation, Malta, UoM
- 💡 Chair IT Services Committee, UoM
- 💡 Course Coordinator - Bachelor of Science (Hons) Business and Information Technology.
- 💡 Member - BSc Information Systems Board of Studies
- 💡 Member - Centre for Distributed Ledger Technologies Board
- 💡 Academic Research and Department coordinator for specific research clusters

🔖 **Chief Intellectual Property Officer, Chief Technology Officer & Chief Operating Officer & Chief Information Security Officer** (Various) - Can share on demand.

💾 Previous roles

Chief Executive Officer & Chief Technology Officer at **Harvest Technology** p.l.c (Harvest Technology Plc)

💾 Other Responsibilities

👨🏾‍💼**Founding Partner** at iGrant.io and myubuntu.com

👨🏾‍💼Appointed **IT Court Expert**

💾 Biography

👨🏻Postgraduate from the University of Liverpool (UK) and University of Brunel (UK) - graduated with a Master of Science with distinction in Information Technology and a PhD with a research focus on High Performance Computing, Algorithms & Machine Learning/AI (Computer and Electronic Engineering programme, School of Engineering and Design) respectively.

A combination of 25 years of experience as well as formal academic background. Very strong knowledge base (both in terms of depth as well as breadth) in various Information Technology management, research, adoption, implementation and governance areas.

Active in a number of research and innovation spheres, awarded Senior Association for Computing Machinery membership, as well as a Chartered IT Professional (CITP). Part of the research community at the University of Brunel within the Electronic and Computer Engineering (School of Engineering and Design) group - consistently rated as one of the top performers in its respective research field.

He is currently a resident academic at the University of Malta as well as the CTO/COO/CISO at various organisations.

He is also a founding member of iGrant.io. He is also an Appointed Court Expert (Information Technology).

💾 Work Experience

Reverse order

Role	**Period**
Dates	October 2026 →
Occupation or position held	**Director of the Centre for Entrepreneurship and Business Incubation**
Name and address of employer	University of Malta

Type of business or sector	Education
Role	**Period**
Dates	September 2023 →
Occupation or position held	**Resident Academic**
Name and address of employer	University of Malta
Type of business or sector	Education
Dates	May 2024 → November 2026
Occupation or position held	**Chief Information Security Officer**
Name and address of employer	IZI Group
Type of business or sector	Gaming
Dates	May 2022 →
Occupation or position held	**Chief Technology/Operations Officer**

Name and address of employer	iMovo Ltd
Type of business or sector	Information Technology / Investments
Dates	September 2019 → May 2022
Occupation or position held	**Chief Executive Officer / Chief Technology Officer**
Name and address of employer	Harvest Technology p.l.c.
Type of business or sector	Information Technology / Investments
Dates	May 2018 →September 2019
Occupation or position held	**Chief Technology Officer**
Name and address of employer	1923 Investments
Type of business or sector	Information Technology / Investments
Dates	September 2017→May 2018
Occupation or position held	**Chief Technology Officer**

Name and address of employer	Harvest Technology
Type of business or sector	Information Technology
Dates	April 2009 - September 2017
Occupation or position held	**Chief Technology Officer**
Name and address of employer	Malta Information Technology Agency
Type of business or sector	Information Technology
Dates	April 2004 - August 2009
Occupation or position held	**Chief Enterprise Architect**
Name and address of employer	Malta Information Technology Agency
Type of business or sector	Information Technology
Dates	August 1997 - August 2004
Occupation or position held	**Software Specialist**

Name and address of employer	Malta Information Technology and Training Services
Type of business or sector	Information Technology
Dates	31/12/1995
Occupation or position held	**Various other posts as described below**
	Computer Operator Government Computer Centre - Oct '88 to Sep '89 Analyst Programmer Government Computer Centre - Oct '89 to Jul '93 Analyst Programmer MSU, Ltd. Aug '93 to Jul '94 Int. Analyst Programmer MSU, Ltd. Aug '94 to Jul '95 Project Leader MSU, Ltd. Jul '95 - Jan '96 Research Executive, MITTS Jan 96 – July 97
Dates	July 2015 → September 2023
Occupation or position held	**Visiting Senior Lecturer**
Name and address of employer	University of Malta
Type of business or sector	Education
Dates	November 2013 →

Occupation or position held	**COST Member - European Cooperation in Science and Technology**
Name and address of employer	European Commission
Type of business or sector	Government
Dates	May 2012 →
Occupation or position held	**FP7 Independent Expert & Evaluator**
Name and address of employer	European Commission
Type of business or sector	Government

💾 Academic

🎓 **Doctor of Philosophy (PhD), High Performance Computing, Algorithms & Machine Learning**, Brunel University (United Kingdom) - A university for a changing world | Brunel University London

🎓 **Master of Science (MSc), Information Technology, Distinction -** High Performance & Distributed Computing, University of Liverpool(United Kingdom) - The University of Liverpool

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💾 Technical Competencies

🔩 Expertise in **Software Engineering**

🔩 Very Strong skills in **Hardware**, **Networking** and **Operating Systems**

🔩 Expertise in **low-level programming**

🔩 Expertise in **high performance computing** (*incl. GRID, Cloud, Distributed, BigData, MapReduce, Hadoop, Cassandra, Mahout, Hive etc. etc.*)

🔩 Expertise in **Machine Learning** techniques and **Artificial Intelligence**

🔩 **Computational Statistics** with **Data Analysis**

🔩 Amazon AWS, S3, EMR, EC2

🔩 Strong **academic background** and **formal approaches**

💾 Business Competencies

💼 Highly **creative**, very strong **problem solving** skills & **excellent team player**

💼 Excellent **written** and **verbal skills**

💼 Ability to **work** under **pressure** and **tight time frames**

💼 Ability to **plan** and come up with **short**, **immediate** as well as long term **strategies**

💼 Strong **academic background** and **formal approaches**

💼 **Strong leadership skills**

💼 Experienced in **Technology** Management

💼 Experienced **Technology Strategist** and **Visionary**

💾 Selected Peer Reviewed Publications

📜 Exploring HR Data Analytics Adoption. Integrating the Theory of Planned Behaviour and the Technology Acceptance Model in a Conceptual Framework. Katarzyna Tracz-Krupa, Vincent Cassar, Godwin Caruana & Frank Bezzina. DOI: https://doi.org/10.1163/9789004771154-004

📜 Predicting Emergency Severity Index (ESI) level, hospital admission, and admitting ward in an emergency department using data-driven machine learning. Steve Agius, Vincent Cassar, Caroline Magri, Wasiq Khan, Dhiya Al-Jumeily Obe, Godwin Caruana & Luke Topham

📜Paper: Caruana, G; Li, M; Qi, M; Khan, M and Rana, O. gSched: A Resource Aware Hadoop Scheduler for Heterogeneous Cloud Computing Environments. Concurrency and Computation: Practice and Experience, 2016. DOI: 10.1002/cpe.3841

📜Paper: Caruana, G, Li, M and Liu, Y. An Ontology Enhanced Parallel SVM for Scalable Spam Filter Training. Neurocomputing, 2013 (ISSN: 0925-2312). DOI http://dx.doi.org/10.1016/j.neucom.2012.12.001

📜Paper: Caruana G and Li, M. A Survey of Emerging Approaches to Spam Filtering. Published - Association for Computing Machinery - ACM Computing Surveys (CSUR,) Volume 44 Issue 2, February 2012. ACM New York, NY, USA. DOI>10.1145/2089125.2089129

📜Paper: Caruana, Godwin and Darbyshire, Paul (2008). A Distributed Anti-Spam Architecture using Plug-ins. In: Engaging academia and enterprise agendas. Dhanda, Kathy, ed. Information Institute, Washington, pp. 1-14. ISBN 9781935160007

📜Presentation: Caruana, G and Darbyshire Paul. A distributed anti-spam architecture using plug-ins. University of Liverpool, UK, ISOneWorld Conference, Las Vegas, USA. (2008) (Presented).

📜Poster Presentation: Caruana G and Li, M.Uk. eScience All Hands 2009 Meeting. SpamCloud – A MapReduce based Anti-Spam Infrastructure. School of Engineering and Design, Brunel University, UK. [Online] Available http://www.allhands.org.uk/programme/poster-session. (2009) (Presented)

📜Paper: Caruana G, Li, M and Qi, Man. International Conference on Fuzzy Systems and Knowledge Discovery – FSKD 2011. A MapReduce based parallel SVM for large scale spam filtering. School of Engineering and Design, Brunel University. Fuzzy Systems and Knowledge Discovery (FSKD), 2011 Eight International Conference. Issue Date: 26-28 July. 2011. On page(s): 2569 – 2662 Location: Shanghai, China. Print ISBN: 978-1-61284-180-9. Digital Object Identifier: 10.1109/FSKD.2011.6020074

📜Presentation: Caruana G. Future Internet–What users need and expect. The EU RTD Framework Programmes. From Economic Recovery to Sustainability–EU Presidency Invitation. [Online] Available @ http://www.r2sconference.eu/downloads/wednesday_14th_FI_presentations/Godwin_Caruana_FI_Technology_expectations_by_users_in_the_future.pdf (2010) (Presented & Published)

📜Paper Presentation: Caruana G and Li, M. International Conference on Fuzzy Systems and Knowledge Discovery - FSKD 2010. SpamCloud – A MapReduce based Anti-Spam Infrastructure. School of Engineering and Design, Brunel University, UK. (To be published in Ei Compendex, ISTP and IEEE Xplore) ((ICNC'10 IEEE Catalog Number: CFP10CNC-PRT, ISBN: 978-1-4244-5960-5; FSKD'10 IEEE Catalog Number: CFP10FSK-PRT, ISBN: 978-1-4244-5932-2)

💾 Professional Associations and Memberships

👨🏻Chartered IT Professional (CITP) (BCS)

👨🏻Senior ACM Member - Association for Computing Machinery

👨🏻IEEE Computer Society (IEEE)

👨🏻Appointed Courts Expert - Information Technology - Courts of Law, Malta

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💾 Affiliations and Presence

🗞️ IEEE Transactions on Neural Networks and Learning Systems - Journal/Paper Reviewer

🗞️ Future Generation Computer Systems - Journal/Paper Reviewer

🗞️ Journal of Internet Services and Applications (JISA) - Journal/Paper Reviewer

🗞️ Theoretical and Applied Informatics - Journal/Paper Reviewer

🗞️ Concurrency and Computation: Practice and Experience - Journal/Paper Reviewer

🗞️ Artificial Intelligence Review - Journal/Paper Reviewer

🗞️ Journal of Parallel and Distributed Computing - Journal/Paper Reviewer

📖 FSKD 2010 - International Conference on Fuzzy Systems and Knowledge discovery - Program Committee Member

📖 FSKD 2014 - International Conference on Fuzzy Systems and Knowledge discovery - Program Committee Member

📖 FSKD 2015 - International Conference on Fuzzy Systems and Knowledge discovery – Technical Program

Committee Member

📖 IoTBD 2016 – International Conference on Internet of Things and Big Data - Program Committee Member

📖 ICNC-FSKD 2016 - 2016 12th International Conference on Natural Computation, Fuzzy Systems and Knowledge

Discovery (ICNC-FSKD 2016) – Technical Program Committee Member

📖 ICNC-FSKD 2017 - 2017 13th International Conference on Natural Computation, Fuzzy Systems and Knowledge

Discovery (ICNC-FSKD 2017) – Technical Program Committee Member

📖 IoTBD 2018 – International Conference on Internet of Things and Big Data - Program Committee Member

📖 ICNC-FSKD 2018 - 2018 14th International Conference on Natural Computation, Fuzzy Systems and Knowledge Discovery (ICNC-FSKD 2018) – Technical Program Committee Member

📖 IoTBDS 2019 Program Committee Member - 4th International Conference on Internet of Things, Big Data and

Security.

📖 IoTBDS 2020 Program Committee Member - 5th International Conference on Internet of Things, Big Data and

Security.

📖 FSKD 2020 Technical Program Committee Member – International Conference on Natural Computation Fuzzy

Systems and Knowledge discovery

📖 IoTBDS 2021 Program Committee Member - 6th International Conference on Internet of Things, Big Data and

Security.

📖 IoTBDS 2022 Program Committee Member - 7th International Conference on Internet of Things, Big Data and

Security.

📖 The 2022 International Conference on Machine Learning, Control, and Robotics (MLCR 2022)
