

ENGINEERING A SMART CITY

Ir. Dr. Steven Hoo, CEng MIMechE

Education:

- Bachelor of Engineering (Mechanical), UKM
- PhD (Mechanical Engineering), UKM

Research Area:

- Control system, Anti-windup control, Artificial Intelligence, TRIZ, Engineering Education

Professional Affiliations:

- Professional Engineer, Board of Engineers, Malaysia (BEM)
- Chartered Engineer with Engineering Council (UK)
- Member of the Institution of Mechanical Engineering (IMechE), UK





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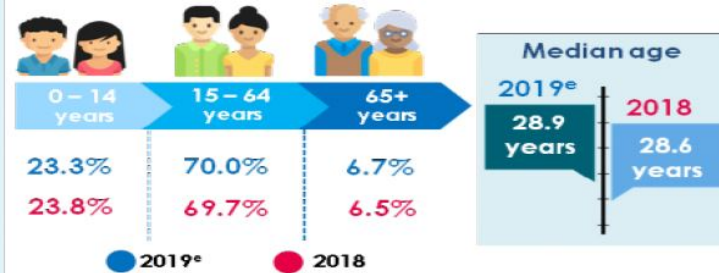


CURRENT POPULATION ESTIMATES, MALAYSIA, 2019



Population in 2019 is estimated at 32.6 million with the annual population growth rate of 0.6%

Population by age group



Citizens



29.4 million

2019^e

29.1 million

2018

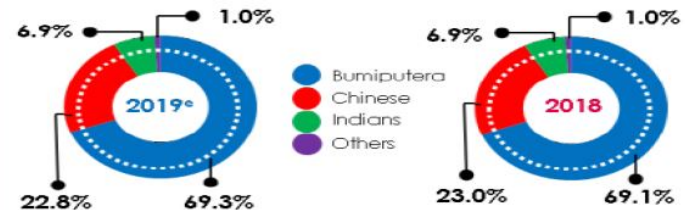
Non-Citizens



3.2 million

3.3 million

Population of citizens by ethnic group



Bumiputera increase by 0.2 percentage points in 2019 as compared to 2018

Male

2019^e



2018

Female

2019^e



2018

Sex ratio in 2019 remain at 107 males per 100 females

Population aged 60 years and over

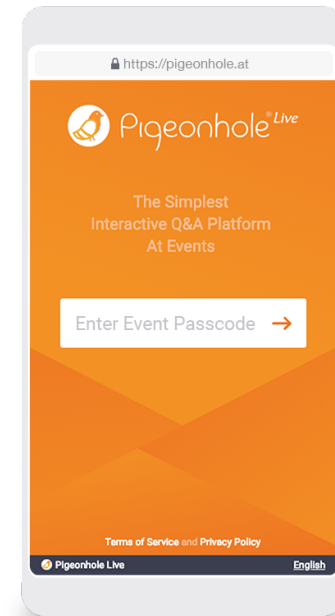


60+ years

2019^e 10.3%

2018 10.0%

Notes:
* Estimates
The added total may differ due to rounding



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HWUENG

Prof Ir. Dr. Denny Ng, FHEA, CEng MChemE

Education:

- Bachelor of Engineering (Chemical), UTM
- PhD (Chemical Engineering), University of Nottingham

Awards & Recognition:

- Top Research Scientists Malaysia (TRSM), 2018
- The 1st World Wu Clans Excellence Award 2017
- Ten Outstanding Young Malaysians Award (TOYM) 2017
- IEM Young Engineer Award 2015
- Global IChemE Young Chemical Engineer of the Year 2012

Professional Affiliations:

- Chair, Science Policy & Governance, YSN-ASM
- Co-Chair, Academic Research for Sustainable Palm Oil
- Working Group, STI Master Plan
- Working Group, National Policy on STI



Assoc Prof Dr. Florence Choong, CEng MIET

Education:

- Bachelor of Engineering (Hons.), Multimedia University
- Master of Engineering Science, Multimedia University
- Master of Business Administration, University of Derby
- PhD (Engineering), Multimedia University

Research Area:

- Design for Test (DFT), IC Design, Artificial Intelligence

Professional Affiliations:

- Chartered Engineer with Engineering Council (UK)
- Member of the Institution of Engineering and Technology (IET), UK



Dr. Adlansyah Abd Rahman

Education:

- BEng. (Hons.), Cardiff University
- PhD (Engineering), Cardiff University

Research Area:

- Bioenergy, currently focused on solid biofuel pellets and biomass upgrading via thermal treatment. Also involved in various renewable energy projects that would benefit the underserved community.

Professional Affiliations:

- Chair, Energy Institute Malaysia Branch
- Academic Research for Palm Oil Sustainability
- Technical Committee, Malaysian Palm Oil Certification Council
- Technical Committee on Renewable Energy, Standards Malaysia
- Working Group on Solid Biofuel, Standards Malaysia
- Technical Advisor to HiGi Energy Sdn Bhd and Ello Energy Ltd



Ir. Dr. Bhuvendhraa Rudrusamy

Education:

- B.Eng (Hons.) & M.Eng, Universiti Teknologi Malaysia
- PhD (Engineering), Universiti Sains Malaysia

Research Area:

- 3D Shape Analysis, Image Registration & Pattern Recognition
- Computer Vision, Machine Learning, Artificial Intelligence, Internet of Things

Awards & Recognition:

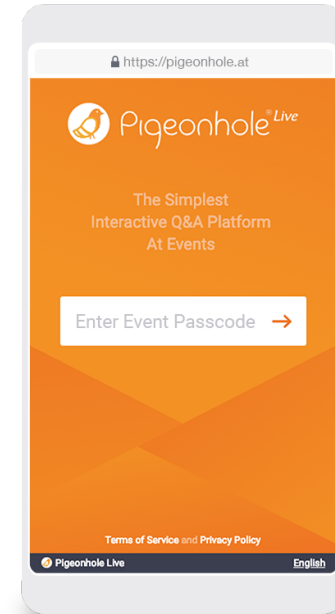
- Associate Fellow of Academy of Engineering & Technology
- Honorary Member of ASEAN Federation of Engineering Organisation

Professional Affiliations:

- Professional Engineer (PEng) with practising Certificate
- Fellow of The Institution of Engineers, Malaysia (FIEM)
- APEC Engineer (APEC Eng.)
- International Professional Engineer (IntPE)
- ASEAN Chartered Professional Engineer (ACPE)



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