

Event:

ENERGY in BUILDINGS – Crete 2026

Date:

Saturday Feb 14, 2026

Place:

Heraklion, Crete



TEE

#	Constantinos A. Balaras Dr Mechanical Engineer, FASHRAE	
Title:	Research Director, Institute for Environmental Research & Sustainable Development, National Observatory of Athens, Greece	
email:	costas@noa.gr	
Presentation title:	The Role of Buildings in an Energy Ecosystem	
Short CV:		
Ο Δρ. Κωνσταντίνος Α. Μπαλαράς είναι Μηχανολόγος Μηχανικός, Διευθυντής Ερευνών με την Ομάδα Εξοικονόμησης Ενέργειας στο Ινστιτούτο Ερευνών Περιβάλλοντος & Βιώσιμης Ανάπτυξης του Εθνικού Αστεροσκοπείου Αθηνών. Δραστηριοποιείται σε θέματα εξοικονόμησης & ορθολογικής χρήσης ενέργειας στα κτίρια, εφαρμογές ΑΠΕ στα κτίρια, απανθρακοποίηση του δομημένου περιβάλλοντος, και στην ανάπτυξη συστημάτων αξιολόγησης της αειφορίας κτιρίων, γειτονιών και πόλεων. Έχει συμμετάσχει σε 60 Ευρωπαϊκά & Εθνικά Προγράμματα και συνεργασίες με τον ιδιωτικό τομέα, έχει δημοσιεύσει πάνω 300 εργασίες σε επιστημονικά περιοδικά, βιβλία και συνέδρια. Είναι ASHRAE Fellow, και έχει θητεύσει ως Αντιπρόεδρος της ASHRAE, Director at Large, και Director regional Chair της Ευρώπης.		
CV:		
Mechanical engineer, research director at the Institute for Environmental Research and Sustainable Development, in the National Observatory of Athens, Greece. Over 30 years of professional experience and R&D in the area of Renewable Energy Sources -Energy Conservation. Active in the areas of high performance sustainable buildings and decarbonization, sustainability assessment of buildings-neighborhoods-cities, thermal and solar applications, building energy audits-diagnosis and retrofitting, environmental impact of buildings, solar air-conditioning. Instrumental in the national EPBD transposition efforts. Current group activities focus on building typologies (TABULA & EPISCOPE) and Hellenic building stock analysis prioritizing refurbishment actions, collection of real energy consumption data from dwellings and behavioral role of occupants, sustainable neighborhoods and cities, decarbonization of buildings, operational and embodied energy/carbon intensities. Participated in over 60 R&D and demonstration projects financed by the European Commission, national ministries and organizations, and the private sector, with his research resulting in over 350 archival journal papers, books and conference proceedings. Served on ASHRAE Board of Directors as DAL (2007-10), Society Vice President (2011-13), and DRC Region XIV – Europe (2017-20), and serves on several Standards and Technical Committees. ASHRAE Fellow, recipient of ASHRAE Andrew T. Boggs Service Award, ASHRAE Exceptional Service Award (ESA), ASHRAE John F. James International Award, ASHRAE Distinguished Service Award (DSA). Member of the Hellenic Technical Chamber as a Professional Engineer. Currently serving on ASHRAE Technology Council, Nominating Committee, SPC240P proposed standard for calculating GHG emissions, and TC 6.7 on Solar and Other Renewable Energies. More info: https://groupenergyconservation.com/		

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