

Dimitrios G. Dimogianopoulos

Associate Professor

Department of Industrial Design and
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EDUCATION

- PhD in Automatic Control, Department of Information Science, Université de Technologie de Compiègne, France, November 1999.
PhD Thesis: *Adaptive Control of Linear Systems with Constant and Slowly Time Varying Parameters* (in French).
Advisor: Dr. R. Lozano-Leal, CNRS Research Director.
- DEA (Diplôme d'Etudes Approfondies) in System Control, Department of Information Science, Université de Technologie de Compiègne, France, September 1996.
DEA Thesis: *Identification and Control of Linear Systems Avoiding Singularities in the Control Law* (in French).
Advisor: Dr. R. Lozano-Leal, CNRS Research Director.
- Mechanical Engineering Degree, Department of Mechanical Engineering & Aeronautics, University of Patras, Greece, February 1995.
Final undergraduate project: *Modeling and Identification of Continuous-time Linear Systems under Stochastic Excitation*.
Advisor: Professor S.D. Fassois.

RESEARCH INTERESTS

- Identification and (non)linear control of stochastic systems.
- Adaptive control of linear time-varying systems.
- Stochastic fault detection - health monitoring methodologies with applications in aerospace, biomedical, food engineering, composite polymer and contact-free sensor systems.

ACADEMIC and RESEARCH EXPERIENCE

A. POSITIONS

- Associate Professor, Department of Industrial Design and Production Engineering, University of West Attica (former Department of Automation Engineering, Piraeus University of Applied Sciences), Greece, March 2017- present.
- Assistant Professor, Department of Automation Engineering, Piraeus University of Applied Sciences, Greece, February 2010- 2017.
- Research Associate, Stochastic Mechanical Systems and Automation (SMSA) Laboratory, Department of Mechanical Engineering & Aeronautics, University of Patras, Greece, March 2003 – present.
- Adjunct Assistant Professor, Department of Electrical Engineering, T.E.I of Lamia, Greece, September 2006- February 2010.
- Postdoctoral Fellow, Laboratoire HEUDIASYC UMR 6599- CNRS (Centre National de la Recherche Scientifique), Compiègne, France, March 2002- February 2003.

B. COURSES TAUGHT

I. Postgraduate

- Analysis of Technologically Advanced Applications, MSc programme “Automation in Production and Services”, Department of Industrial Design and Production Engineering, University of West Attica, fall, 2014-today.
- Introduction to Automation Technology, MSc programme “New Technologies for Shipping and Transport”, Department of Industrial Design and Production Engineering, University of West Attica and Department of Shipping, Trade and Transportation University of the Aegean, fall, 2015-2019.

II. Undergraduate

- Systems and Control Part I & Part II, Department of Industrial Design and Production Engineering, University of West Attica, Greece, February 2010- present.
- Automatic Control Seminar, Department of Industrial Design and Production Engineering, University of West Attica, Greece, October 2012- 2018.
- Digital Controller and Observer Design Methodologies, Department of Industrial Design and Production Engineering, University of West Attica, Greece, September 2017- present.

- *Non- Destructive Control and Testing of Systems* Department of Industrial Design and Production Engineering, University of West Attica, Greece, September 2019- present.
- *Introduction to Automatic Control*, Department of Electrical Engineering, T.E.I of Lamia, Greece, September 2008- February 2010.
- *Advanced Topics on Automatic Control*, Department of Electrical Engineering, T.E.I of Lamia, Greece, September 2008- February 2010.
- *Industrial Automation– Programmable Logic Controllers (PLC)*, Department of Electrical Engineering, T.E.I of Lamia, Greece, September 2006- May 2008.

C. RESEARCH – EDUCATIONAL PROJECTS and RESULTS

I. Research Projects

- ***FutureEUAqua (Future growth in sustainable, resilient and climate friendly organic and conventional European aquaculture)***: Methods and tools for achieving non- destructive assessment of fish freshness, validation of prototype device for industrial use (*paper J2*), November 2018- October 2022.
- ***COLUMBUS –Knowledge Transfer for Blue Growth (Horizon 2020 research and innovation programme under grant agreement No 652690)***: Financial support* for the design, construction and optimization of the industrial prototype Fish Texture Evaluation Tool –FTET operating on methodology patented in PAT.1 (c.f. PATENTS)- see also “ARRAINA”, below.

*Awarded after examination of similar deliverables from FP7 – funded (sea/ aquaculture) projects.

- ***ARRAINA (Advanced Research Initiatives for Nutrition & Aquaculture)***: Definition of sustainable nutrition methods in aquaculture, innovative evaluation of freshness, quality and dietary characteristics of the resulting fish products via stochastic methods for system condition diagnosis (*Patent PAT.1, paper J7*).

Funded by the EU, third party researcher, 2012-2016.

- ***NANO.GEO.S.CA.PHO.L (Synthesis and Characterization of New Nanostructured Geopolymers & Calcium Phosphate Based Biocements & Implants)***: Development of new bone cements based on nano-reinforced calcium phosphates and study of their (enhanced) mechanical properties via advanced stochastic non-destructive diagnostic methodologies.

Funded by Greek General Secretariat for Science and Technology “THALES” grant, external researcher, 2012-2015.

- ***Promoting Support of Academic Institutions to Young Farmers*** (code 80127): Development of Precision Agriculture system operating on wireless data; analysis and exploitation of data via stochastic decision-making methodologies.

Funded by the Greek General Secretariat of Youth, January- October 2011.

- ***4DCo-GC (4Dimension Contract Guidance and Control)***: Design and development of autonomous 4D (3D + Time) flight planning and control tools for aircraft systems, (*papers J6, C4*).

Funded by the EU, supervising researcher, November 2010- 2013.

- ***IFATS (Innovative Future Air Transport System)***: Study of future-generation aircraft systems involving pilot-less aircrafts and automated airports. Design and simulation of novel algorithms for aircraft health monitoring and nonlinear stochastic flight control (*papers J11, J13, J14, J-INV.5, C9, C10 and C13-C15*). Diagnosis of dangerous flight conditions in autonomous IFATS aircraft (*paper J15*).

Funded by the EU, July 2004- December 2006.

- ***ADFCS II (Affordable Digital Flight Control Systems for Small Commercial Aircraft)***: Design of innovative automated systems for control, fault detection and sensing- avoidance of dangerous flight situations in small commercial aircraft. Algorithmic design and simulation for identifying and compensating critical stability conditions triggered by dangerous couplings between pilot commands and aircraft response (*papers J15 and C16*).

Funded by the EU March- December 2003.

- ***NACO2 (Non-linear & Adaptive Control 2)***: Research network involving European Universities and Research Organizations, aiming at the development of novel nonlinear control methods and their application to industrial and aerospace systems. Definition of novel algorithm for controlling the inverted pendulum (benchmark for under-actuated systems such as, missiles, Vertical Take off and Landing aircrafts and so on- *paper C17*). Study of force control framework for industrial applications involving robotic position control (*papers J16, C18*).

Funded by the EU, March 2002- February 2003.

II. Projects in Education

- ***OPEN COURSES- Development of open digital courses***: Development of class A+ series of lectures for the courses “Automatic Control Systems I” and “Automatic Control Systems II” (in Greek). Eleven lectures recorded for each course, accessible in OPEN COURSES platform of Piraeus University of Applied Sciences.

Funded by the EU via the National Strategic Reference Framework 2007 -2013, December 5, 2014- August 31, 2015.

D. ACADEMIC COLLABORATIONS

Technical Collaboration Agreement between the Department of Automation Engineering, Piraeus University of Applied Sciences (D. Dimogianopoulos, Assistant Professor) and the Hellenic Center for Marine Research (K. Grigorakis, Senior Researcher).

Research focusing on the development of novel methodologies for fish quality and freshness evaluation using stochastic algorithmic methods for system condition diagnosis (*papers J8, C7 and C8*), December 2010- November 2015.

REVIEWER

- Reviewer for the following international scientific journals:
 - Automatica,
 - IEEE Transactions on Automatic Control,
 - IEEE Transactions on Control Systems Technology,
 - IEEE Transactions on Aerospace and Electronic Systems,
 - IEEE Sensors Journal,
 - International Journal of Adaptive Control and Signal Processing,
 - Mechanical Systems and Signal Processing,
 - Journal Européen de Systèmes Automatisés (Γαλλικά),
 - Experimental Techniques,
 - Proceedings of the Institution of Mechanical Engineers
 - Parts C (Journal of Mechanical Engineering Science),
 - G (Journal of Aerospace Engineering) και
 - I (Journal of Systems and Control Engineering),
 - ASCE Journal of Aerospace Engineering, Aerospace Science and Technology.
 - AIAA American Institute of Aeronautics and Astronautics
- Reviewer for international conferences sponsored by IEEE (CDC, ACC, MED, EUROCON, CCA, ECC) and IFAC.

MEMBERSHIPS – HONORS - FELLOWSHIPS

- Member of the Institute of Electrical and Electronics Engineers- IEEE/ Greece Section.
- Member of the Technical Chamber of Greece.
- Cited in Who-is-Who in the World(R)- Edition 2010.

- PhD supported by fellowship from French Ministry of Research and Education, November 1996- October 1999.
- DEA partially supported by fellowship from French Ministry of Research and Education, October 1995- September 1996.
- Graduate project supported by State Scholarships Foundation (I.K.Y) and conducted at the Ecole Nationale d'Ingénieurs de Saint Etienne- E.N.I.S.E, France, February- June 1994.

SOFTWARE and PROGRAMMING SKILLS

MATLAB(R), LaTeX(R), Microsoft ACCESS/Word/Excel/PowerPoint(R), programming of SIEMENS LOGO! PLC v.3, v.4.

LANGUAGES

- French (education language),
- English (excellent),
- German (elementary level).

PATENTS

PAT.1 **D. Dimogianopoulos** and K. Grigorakis: *Non-destructive methodology for the direct computation – evaluation of key mechanical characteristics in fish flesh*. Filed with the Greek Industrial Property Organization, Patent No 1009084/11-08-2017.

PUBLICATIONS

A. PEER-REVIEWED JOURNAL PAPERS

- J1. **D. G. Dimogianopoulos** and D. E. Mouzakis: *Nondestructive Contactless Monitoring of Damage in Joints between Composite Structural Components Incorporating Sensing Elements via 3D-Printing*, Applied Sciences, 2021, 11, 3230.
- J2. **D. G. Dimogianopoulos** and K. Grigorakis: *Effective Algorithmic Operational Framework for Fish Texture Evaluation in Industry: Achieving Maturity*, Aquaculture and Fisheries, 2020, <https://doi.org/10.1016/j.aaf.2020.10.001>, in press.
- J3. **D. G. Dimogianopoulos**, P. J. Charitidis and D. E. Mouzakis: *Inducing Damage Diagnosis Capabilities in Carbon Fiber Reinforced Polymer Composites by Magnetoelastic Sensor Integration via 3D Printing*, Applied Sciences, 2020, 10, 1029; doi:10.3390/app10031029 [Impact (2018) CiteScore: 2.19, SJR: 0.301, SNIP:1.183].
- J4. D. E. Mouzakis and **D. Dimogianopoulos**: *Acoustic emission detection of damage induced by simulated environmental conditioning in carbon fiber reinforced composites*, Engineering Fracture Mechanics, 2019, v. 210, pp. 422- 428 DOI: 10.1016/j.engfracmech.2018.04.037 [Impact (2017) CiteScore: 2.80, SJR: 1.244, SNIP:1.723].
- J5. **D. Dimogianopoulos** and K. Grigorakis: *Nondestructive Semistatic Testing Methodology for Assessing Fish Textural Characteristics via Closed-Form Mathematical Expressions*, Journal of Food Quality, v. 2017, Article ID 4852498, 2017, DOI: 10.1155/2017/4852498 [Impact (2016) JCR: 0.968, SJR: 0.452, SNIP:0.625].
- J6. **D. Dimogianopoulos**, V. Petratos, F. Kopsaftopoulos and S. D. Fassois: *A GPC-based Auto-Throttle with Robust Fuel-efficient Operation in 4D Flights*, Aerospace Science and Technology, v. 40, No 1, pp. 128-137, 2015 [Impact (2013) SJR: 0.590, SNIP:1.986].
Downloaded or viewed 175 times since publication (June 03, 2015) according to Elsevier Article Usage Alerts.
- J7. **D. Dimogianopoulos** and K. Grigorakis: *Non-Destructive Textural Assessment of Fish Freshness: A Stochastic Model-Based Approach Robust to Fish Size Variations*, Journal of Texture Studies, v. 45, No 4, pp. 274-287, 2014 [Impact (2012) SJR: 0.601, SNIP:0.841].
- J8. D. E. Mouzakis, **D. Dimogianopoulos**, and S. Zaoutsos: *Damage Assessment of Carbon Fiber Reinforced Composites under Accelerated Aging and Validation via Stochastic Model-based Analysis*, International Journal of Damage Mechanics, vol. 23, No 5, pp. 702-726, 2014 [Impact (2012) SJR: 0.841, SNIP:1.445].
* Ranked among the Most-Read International Journal of Damage Mechanics Articles during November 2013 .

- J9. K. Grigorakis and **D. Dimogianopoulos**: *Non-destructive Stochastic Model-based Detection of Diet-induced Alterations in Fish Texture*. Sensing and Instrumentation for Food Quality and Safety, Springer, v. 6, No 1-4, pp. 35-47, 2012 [Impact (2011) SJR: 0.702, SNIP:1.191].
- J10. **D. Dimogianopoulos**: *Sensors and Energy Harvesters Utilizing the Magnetoelastic Principle: Review of Characteristic Applications and Patents*. Recent Patents on Electrical and Electronic Engineering (formerly Recent Patents on Electrical Engineering), v. 5, No 2, pp. 103-119, 2012 [Impact (2011) SJR: 0.129, SNIP:0.3].
- J11. **D. Dimogianopoulos**, J. Hios and S. Fassois: *Aircraft Engine Health Management via Stochastic Modeling of Flight Data Interrelations*. Aerospace Science and Technology, v. 16, No 1, pp. 70-81, 2012* [Impact (2011) SJR: 0.778, SNIP:1.570].
* Ranked among the Most Downloaded Aerospace Science & Technology articles over 90 days [Apr 11, 2012].
Also listed in the top 25 hottest Aerospace Science & Technology articles from January to March 2012, see <http://top25.sciencedirect.com/subject/engineering/12/journal/aerospace-science-and-technology/12709638/archive/38/>
- J12. K. Grigorakis and **D. Dimogianopoulos**: *Cost-Effective and Non-Destructive Textural Assessment of Fish Freshness via System Identification Principles*. Journal of Texture Studies, v. 41, No 4, pp. 492-510, 2010 [Impact (2011) SJR: 0.482, SNIP:0.833].
- J13. **D. Dimogianopoulos**, J. Hios and S. Fassois: *FDI for Aircraft Systems Using Stochastic Pooled NARMAX Representations: Design and Assessment*. IEEE Transactions on Control Systems Technology, v. 6, No 11, pp. 1385-1397, 2009 [Impact (2011) SJR: 1.412, SNIP: 2.382].
- J14. **D. Dimogianopoulos**, J. Hios and S. Fassois: *Integral Minimum Variance-Like Control for Pooled Nonlinear Representations with Application to an Aircraft System*. International Journal of Control, v. 80, No 5, pp. 721-730, 2007 [Impact (2011) SJR: 1.004, SNIP: 1.006].
- J15. **D. Dimogianopoulos**, J. Hios and S. Fassois: *On-Board Statistical Detection and Compensation of Anomalous Pilot-Aircraft Interactions*. IEEE Transactions on Aerospace and Electronic Systems, v. 43, No 4, pp. 1385-1396, 2007 [Impact (2011) SJR: 1.132, SNIP: 2.586].
- J16. R. Zotovic, **D. Dimogianopoulos** and A. Zavala-Rio: *Analysis of Loss of Stability in Robot Force Control due to Switching*. D.I.T (Društvo Inženjera i Tehničara, ISSN 0354-7140), No 19-20, pp. 83-89, 2003.
- J17. **D. Dimogianopoulos** and R. Lozano: *Adaptive Control for Linear Slowly Time Varying Plants Using Direct Least Squares Estimation*. Automatica, v. 37, No 2, pp. 251-256, 2001 [Impact (2011) SJR: 2.845, SNIP: 2.743].
- J18. R. Lozano, **D. Dimogianopoulos** and R. Mahony: *Identification of Linear Time Varying Systems Using a Modified LS algorithm*. Automatica, v. 36, No 7, pp. 1009-1015, 2000 [Impact (2011) SJR: 2.845, SNIP: 2.743].
- J19. **D. Dimogianopoulos**, R. Lozano and A. Ailon: *Indirect Adaptive Periodic Control*. IEEE Transactions on Automatic Control, v. 44, No 12, pp. 2308-2312, 1999 [Impact (2011) SJR: 2.637, SNIP: 2.139].

B. INVITED PEER-REVIEWED JOURNAL PAPERS

- J-INV.1 D. E. Mouzakis, S. Zaoutsos, and **D. Dimogianopoulos**: *Accelerated Aging Assessment and Stochastic Detection of Related Damage in Carbon Fiber Reinforced Composites*. Presented in the 14th International Conference on Mesomechanics MESO 2012, Budapest, Hungary, Sept. 25-28, 2012 - selected for publication in the International Journal of Terraspace Science and Engineering (Editor: G.C. Sih), v.5, 1, pp. 19-24, 2012.
- J-INV.2 **D. Dimogianopoulos**, D. E. Mouzakis and D. Kouzoudis: *Statistical Damage Diagnosis in Smart Systems Using Non-Contact Magnetoelastic Metglas Sensors and Stochastic Modeling of System Output Data*. International Journal of Materials and Product Technology, v. 41, 1/2/3/4, pp. 39-60, 2011.
- J-INV.3 **D. Dimogianopoulos** and D. Mouzakis: *Application of Thin-Film Contact-Free Magneto-Elastic Sensors and Stochastic Nonlinear Modeling to System Damage Diagnosis*. Science of Advanced Materials, v. 2, No 2, pp. 230-238, 2010.
- J-INV.4 D. Mouzakis, **D. Dimogianopoulos** and D. Giannikas: *Contact-Free Magneto-elastic Smart Microsensors with Stochastic Noise Filtering for Orthopedic Applications*. IEEE Transactions on Industrial Electronics, v. 56, No 4, pp. 1092-1100, 2009.
- J-INV.5 **D. Dimogianopoulos**, J. Hios and S. Fassois: *Aircraft Fault Detection and Identification by Stochastic Functionally Pooled Nonlinear Modeling of Relationships Among Attitude Data*. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, v. 222, No 6, pp. 801-816, 2008.

C. BOOK CHAPTERS

- B1. J. C. Wolf and L. Lange: *Glass Materials Research Progress*, NOVA Publishers, ISBN 978-1-60456-578-2, 2008.
Chapter 8, *Magnetoelastic MetGlas(R) Sensors: Application of Wire-less Detection Principle and Stochastic Nonlinear Modeling for Damage Diagnosis in Smart Systems*,
by D. Mouzakis and **D. Dimogianopoulos**.
- B2. R. Lozano et al.: *Identification et Commande Adaptative*, HERMES éditions (in French), ISBN 2-7462-0217-4, 2001.
Chapitre 4, *Commande Adaptative Périodique*,
by **D. Dimogianopoulos**, R. Lozano and A. Ailon.
Chapitre 5, *Identification Réursive et Commande des Systèmes Linéaires à Paramètres Variant dans le Temps*,
by **D. Dimogianopoulos** and R. Lozano.

B3. G. Feng and R. Lozano: *Adaptive Control Systems*, Elsevier Science and Technology Books, ISBN 978-0-7506-3996-5, 1999.

Chapter 4, *Indirect Adaptive Periodic Control*,
by **D. Dimogianopoulos**, R. Lozano and A. Ailon.

D. PEER-REVIEWED CONFERENCE PAPERS (INTERNATIONAL)

- C1. **D. Dimogianopoulos** and D. E. Mouzakis: *Versatile Interrogation-Free Magnetoelastic Resonator Design for Detecting Deterioration-Inducing Agents*, Lecture Notes in Civil Engineering (Springer), Vol. 110, pp. 113-119, Magd Abdel Wahab (Eds): Proceedings of 1st International Conference on Structural Damage Modelling and Assessment, SDMA 2020, August 04-05, 2020, Ghent, Belgium (Online Conference).
- C2. D. E. Mouzakis and **D. Dimogianopoulos**: *Acoustic emission: A useful tool for damage evaluation in composite materials*, AIP Conference Proceedings, v. 1932, article number 030027, 7th International Conference on Structural Analysis of Advanced Materials, ICSAAM 2017, September 19-22, 2017 Bucharest, Romania, DOI: 10.1063/1.5024177.
- C3. D. Kantzos, **D. Dimogianopoulos**, and D. Tseles: *A Hybrid Approach on ECG Diagnosis Based on Recursive Time Series Detection and Wavelet Features Classification Methods*. Proceedings of the eRA-8 International Scientific Conference, September 2013, Egaleo, Athens, Greece.
- C4. V. Petratos, **D. Dimogianopoulos**, F. Kopsaftopoulos, and S. Fassois: *A Novel Robust MPC Based Aircraft Auto-Throttle for Performing 4D Contract Flights*. Proceedings of the 9th IEEE Asia Control Conference ASCC2013, Istanbul, Turkey, June 23-26, 2013.
- C5. D. Kantzos, **D. Dimogianopoulos**, and D. Tseles: *ECG Diagnosis via a Sequential Recursive Time Series – Wavelet Classification Scheme*. Proceedings of the IEEE International Conference EuroCon 2013, Zagreb, Croatia, July 1-4, 2013.
- C6. D. E. Mouzakis, S. Zaoutsos, and **D. Dimogianopoulos**: *Accelerated Aging Assessment and Stochastic Detection of Related Damage in Carbon Fiber Reinforced Composites*. Proceedings of the 14th International Conference on Mesomechanics MESO 2012, Budapest, Hungary, Sept. 25-28, 2012.
- C7. **D. Dimogianopoulos** and K. Grigorakis: *A Statistical Model-based Diagnostic Scheme for Cost-Effective Determination of Freshness in Fish Industry*. Proceedings of the 19th IEEE Mediterranean Conference on Control & Automation, June 2011, Corfu, Greece.
- C8. **D. Dimogianopoulos** and K. Grigorakis: *Non-Destructive Fish Quality Control: A Novel Stochastic Model-based Scheme for Cost-Effective Freshness Evaluation*. Proceedings of the eRA-6 International Scientific Conference, September 2011, Egaleo, Athens, Greece.
- C9. **D. Dimogianopoulos**, J. Hios and S. Fassois: *Onboard Aircraft Engine FDI via Stochastic Nonlinear Modeling of Flight Variable Interrelations*, Proceedings of the International Unmanned Vehicles Workshop 2010, 10-12 June 2010, Istanbul, TURKIYE.

- C10. **D. Dimogianopoulos**, J. Hios and S. Fassois: *A Statistical Decision-Making Scheme for Automated Detection and Identification of Faults in Aircraft Systems*. Proceedings of the eRA-2 International Conference, September 2007, Athens, Greece.
- C11. **D. Dimogianopoulos**, D. E. Mouzakis and D. Kouzoudis: *Statistical Damage Diagnosis in Smart Systems Using Non-Contact Magnetoelastic MetGlas(R) Sensors and Stochastic Modeling of System Output Data*. Proceedings of the 4th International Conference of the Hellenic Society for Non-Destructive Testing, October 2007, Chania, Greece.
- C12. **D. Dimogianopoulos**, J. Hios and S. Fassois: *Onboard Engine FDI in Autonomous Aircrafts Using Compact Stochastic Nonlinear Modeling of Flight Signal Dependencies*. Proceedings of the European Control Conference 2007 (ECC'07), July 2007, Kos, Greece.
- C13. **D. Dimogianopoulos**, J. Hios and S. Fassois: *Statistical Fault Detection and Identification in Aircraft Systems via Functionally Pooled Nonlinear Modeling of Flight Data Dependencies*. Proceedings of 25th International Council of the Aeronautical Sciences Congress (ICAS 2006), September 2006, Hamburg, Germany.
- C14. **D. Dimogianopoulos**, J. Hios and S. Fassois: *Fault Detection and Identification in Aircraft Systems Using Stochastic Nonlinear Modeling of Flight Data Dependencies*. Proceedings of 14th Mediterranean Conference on Control Automation, June 2006, Ancona, Italy.
- C15. **D. Dimogianopoulos**, J. Hios and S. Fassois: *Nonlinear Integral Minimum Variance-Like Control with Application to an Aircraft System*. Proceedings of 14th Mediterranean Conference on Control Automation, June 2006, Ancona, Italy.
- C16. **D. Dimogianopoulos**, J. Hios and S. Fassois: *On-Board Statistical Detection and Control of Anomalous Pilot-Aircraft Interactions*. Proceedings of 16th IFAC World Congress Praha 2005, July 2005, Prague, Czech Republic.
- C17. R. Lozano and **D. Dimogianopoulos**: *Stabilization of a Chain of Integrators with Non Linear Perturbations: Application to the Inverted Pendulum*. Proceedings of 42nd IEEE Conference on Decision and Control (CDC '03), December 2003, Hawaii, USA.
- C18. **D. Dimogianopoulos** and R. Zotovic: *Robot Force Control: Comments on System Convergence*. Proceedings of IEEE CSS 11th Mediterranean Conference on Control Automation, June 2003, Rhodes, Greece.
- C19. **D. Dimogianopoulos** and R. Lozano: *Adaptive Control for Linear Time Varying Systems using Direct Least Squares Estimation*. Proceedings of 38th IEEE Conference on Decision and Control (CDC '99), December 1999, Phoenix, Arizona, USA.
- C20. **D. Dimogianopoulos** and R. Lozano: *Direct Least Squares Estimation For Linear Time Varying Systems*. Proceedings of the European Control Conference 1999 (ECC '99), August 1999, Karlsruhe, Germany.
- C21. R. Lozano, **D. Dimogianopoulos** and R. Mahony: *Identification of Linear Time Varying Systems Using a Modified LS algorithm*. Proceedings of IFAC Workshop on Adaptive Control and Signal Processing, August 1998, University of Strathclyde, Scotland, UK.

C22. **D. Dimogianopoulos**, R. Lozano and A. Ailon: *Indirect Adaptive Periodic Control*. Proceedings of 36th Conference in Decision and Control (CDC 97), December 1997, San Diego, USA.

E. PEER-REVIEWED CONFERENCE PAPERS (NATIONAL)

CN1. S. Fassois and **D. Dimogianopoulos**: *Fault Detection and Identification in Stochastic Mechanical Systems: An Overview With Applications*. Proceedings of the 5th National Conference of the Hellenic Society for Non-Destructive Testing “Non-Destructive Testing: Certification, Applications, New Developments”, November 2005, Athens, Greece.

F. CONFERENCE PRESENTATIONS (PEER-REVIEWED ABSTRACTS)

- P1. K. Grigorakis and **D. Dimogianopoulos**: *Fish Texture Evaluation Tool*, COLUMBUS AQUACULTURE TRAINING event, Tuesday, January 16 2018, Crown Plaza Hotel, Athens, Greece.
- P2. K. Grigorakis and **D. Dimogianopoulos**: *Fish Texture Evaluation Tool*, AQUACULTURE EUROPE 17, Workshop of the European Aquaculture Society, October 18–20, 2017, Dubrovnik, Croatia.
- P3. D. Mouzakis and **D. Dimogianopoulos**: *Acoustic Emission: A useful tool for damage evaluation in composite materials*, 7th International Conference on Structural Analysis of Advanced Materials, September 19–22, 2017, Bucharest, Romania.
- P4. D. Mouzakis and **D. Dimogianopoulos**: *Acoustic Emission Detection of Damage Induced by Simulated Environmental Conditioning in Carbon Fiber Reinforced Composites*, 14th International Conference on Fracture (ICF 14), June 18-23, 2017, Rhodes, Greece.
- P5. D. Mouzakis, **D. Dimogianopoulos**, and S. Zaoutsos: *Stochastic and Acoustic Emission Detection of Accelerated Aging Related Damage in Carbon Fiber Reinforced Composites*, 8th National Conference on NDT, May 8-9 2015, National Hellenic Research Foundation, Athens, Greece. Also presented at:
- 7th Asia-Europe Symposium on Processing and Properties of Reinforced Polymers (AESP7), Feb 4-6 2015, Madrid, Spain, and
 - TTSAAMS 2015 Conference, May 5-6 2015, Athens, Greece.

CITATIONS

Received 206 citations (Apr. 2021), *h*-index: 8, list available upon request.