

# **CURRICULUM VITAE**

## **ANDREAS P. CHRISTOFOROU**

### **PERSONAL DATA:**

Date of Birth : March 31, 1956

Nationality : Cypriot

Marital Status : Married with two children

Mailing Address : Dept. of Mechanical Engineering  
Kuwait University  
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### **EDUCATION:**

Ph.D. Mechanical Engineering June 1988  
University of Utah, Salt Lake City, USA.  
Dissertation: Investigation of Impact in Advanced Composites.

M.S. Mechanical Engineering Dec 1984  
University of Utah, Salt Lake City, USA.  
Thesis: Composite Material Response under Biaxial Stresses.

B.S. Mechanical Engineering June 1982  
(With Honors)  
University of Utah, Salt Lake City, USA.

### **HONORS:**

Received scholarship awards for outstanding academic achievement.  
Member of the Engineering Honorary Tau Beta Pi.

## **PROFESSIONAL MEMBERSHIPS:**

ASEE (American Society for Engineering Education)  
ASME (American Society of Mechanical Engineers)  
ETEK (Scientific Technical Chamber of Cyprus)

## **PROFESSIONAL EXPERIENCE:**

<b>Professor</b> Kuwait University Dept. of Mechanical Engineering	Dec 2002 -
<b>Director</b> Office of Academic Assessment Kuwait University College of Engineering and Petroleum	Sep 2015 – Oct 2020
<b>Associate Professor</b> Kuwait University Dept. of Mechanical & Industrial Engineering	Feb 1995 - Dec 2002
<b>Visiting Associate Professor</b> University of Patras Dept. of Mechanical Engineering & Aeronautics Applied Mechanics Section	May 1999 - Jan 2000
<b>Assistant Professor</b> Kuwait University Dept. of Mechanical & Industrial Engineering	Sep 1989 - Feb 1995
<b>NRC/NASA Research Associate</b> NASA Lewis Research Center Materials and Structures Division Cleveland, OH, USA	June 1988 - June 1989
<b>Research Assistant</b> University of Utah, SLC, UT Mechanics of Composites Laboratory	June 1982 - June 1988
<b>Teaching Assistant</b> University of Utah College of Engineering	Sep 1982 - June 1986

## ***Administrative Activities:***

### Department Committees

1. Program Assessment Coordinator
2. Solid Mechanics and Design Area Coordinator
3. Design Content Committee (Chair)
4. Outcomes Assessment Committee (Chair)
5. Social and Scientific Committee (Chair, member)
6. Laboratory Preparation Committee (Member)
7. Mechanics of Materials Laboratory Development Committee (Member)
8. Planning Committee (Member)
9. Student Advising Committee (Member)
10. Curriculum Development Committee (Member)
11. Undergraduate Program Committee (Member)
12. Design and Materials Labs Committee (Member)
13. Research Committee (Member)
14. Promotion Committee (Member)
15. Strategic Planning Committee (Member)
16. Appointment and Contract Renewal Committee (Member)

### Reports

1. Department of Mechanical and Industrial Engineering, Proposal for Design Integration across the Mechanical Engineering Curriculum, June 1997.
2. Department of Mechanical & Industrial Engineering ABET Engineering Criteria 2000, Outcomes Assessment Plan Development for the ME Program, June 1998.
3. Department of Mechanical and Industrial Engineering, ME Program Outcomes Assessment, June 2001.
4. Department of Mechanical Engineering, Program Assessment Results and Analysis for 2000/01, 01/02, 02/03, 03/04, 04/05, 05/06, 06/07, 07/08, 08/09, 09/10, 10/11, 11/12, 12/13, 13/14, 14/15 Academic Years. Prepared every March-May of the following Academic Year.

### College Committees

1. Outcomes Assessment Committee (Chair, member)
2. Engineering Common Courses Committee (member- Dynamics coordinator)
3. Best Research Award Committee (Member)
4. Civil Engineering Chair Election Committee (Member)
5. Industrial Engineering Promotion Committee (Member)
6. Petroleum Engineering Promotion Committee (Member)
7. Computer Engineering Promotion Committee (Member)
8. College Academic Assessment Committee (Chair, member)
9. Undergraduate Programs Committee (OAA-director)

### Reports

1. College of Engineering and Petroleum ABET Engineering Criteria 2000, Outcomes Assessment Plan Development for the College, February 1999.
2. College of Engineering and Petroleum, Office of Academic Assessment (OAA) final report for 2015/16, 2016/17, 2017/18 academic years, July 2016, 2017, 2018.

## ***Teaching Activities:***

### Courses

1. ENG 102 - Workshop
2. ENG 104 - Engineering Drawing
3. ENG 203 - Dynamics
4. ME 241 - Materials Science
5. ME 259 - Introduction to Design (Cornerstone)
6. ME 318 - System Dynamics
7. ME 351 - Mechanical Design I
8. ME 373 - Engineering Fundamentals Laboratory
9. ME 445 - Mechanical Behavior of Materials
10. ME 446 - Introduction to Composite Materials
11. ME 448 - Advanced Strength of Materials
12. ME 459 - Engineering Design (Capstone)
13. ENG 506 - Continuum Mechanics (Graduate)
14. ME 511 - Stress Analysis in Mechanical Design (Graduate)
15. ME 518 - Special Topics - Composites (Graduate)

### Undergraduate Projects

1. Ayman El-Selakhi and Hasan Salah, "The Effects of a Spherical Indenter on a Thin Composite Laminate," 1992.
2. Amer Bin Naji, "End-Effects in Thin-Walled Cylinders Subjected to Internal Pressure," 1994.
3. Ali Abdullah Al-Dhahi, "Design and Manufacturing of Bending-Torsion Testing Apparatus," 1997.

### M.S. Theses/Projects

1. Hussain A. Khamis, "Nonlinear Axial and Transverse Vibrations of Drillstrings Subject to Impact with Wellbore Wall," (committee member) 1997.
2. Saad Alazemi, "Modeling and Analysis of Structure Vibration for Micro Power Generation by Harvesting Ambient Mechanical Energy," (convener, examination committee) 2011.
3. Ahmed Hanafy, "Finite Element Analysis of Contact/Impact of Composite Plates," (convener, examination committee) 2013.
4. Jasem M. Kamel, "Modeling and Analysis of Stick-Slip and Bit Bounce in Oil Well Drill Strings," (convener, examination committee) 2013.
5. Nehal Al-Otaibi, "Numerical and Experimental Investigation of a Novel Smooth Wave-Form Command Shaping Control," (convener, examination committee) 2014.
6. Altaf Al-Snafi, "Multi-mode Vibration Control of Plates Using Delay Feedback Control," (convener, examination committee) 2016.
7. Laila G. Alsarraj, "Angle Imperfection Effect on Cured Laminated Composite Plates," (convener, examination committee) 2016.
8. Ali H. A. Hayati, "Effect of Processing Parameters on Microstructure and Mechanical Properties of Friction Stir Processed Aluminum Alloys," (convener, examination committee) 2016.
9. Fatemah Al-Sairafi, "Modeling and Control of Stick-Slip and Bit-Bounce in Oil-Well Drill-Strings," (Co-Supervisor) 2014-16.

10. Sulaiman M. Abdullah, "Oil-Well Drillstring and Bit Failures Due to Axial and Torsional Vibrations," (Supervisor) 2014-16.
11. Mohamed Khamis G. Alyazidi, "Assessment of microstructure refinement and mechanical properties of Al alloys processed by accumulative roll bonding," (convener, examination committee) 2017.
12. Al-Hussain Othman, "Finite Element Modeling of Low-Velocity Impacts on Composite Structures with Different Coating Materials," (convener, examination committee) 2020.
13. Fatemah Abdulaziz Shehab, "Deformations of Thermally-Cured Laminated Composite Plates Having a Misaligned Layer Using Finite Element Analysis," (convener, examination committee) 2021.
14. Esraa Bader Alkhalifah, "Thermally Induced Deformation Behavior of Symmetric Laminates having Angle Imperfection using Higher Order Polynomial," (convener, examination committee) 2021.
15. Yousif Alattal, "Effect of Repetitive Thermomechanical Processing on Grain Refinement of 301 Austenitic Stainless Steel," (convener, examination committee) 2021.

#### Ph.D. Theses

1. Annita Christofidou, "Ultrasonic Welding of Polymers Reinforced with Carbon Nanotubes," 2005 (Advising on composite materials-University of Cyprus).
2. Christoforos Rekatsinas, "Wave propagation and Impact of Sandwich Plates with Spectral Elements," 2015-16 (Advising on impact dynamics-University of Patras).
3. Christos Nastos, "Impact Identification using Wavelets," 2015-16 (Advising on impact dynamics-University of Patras).
4. Dimitris Siorikis, "Indentation and Impact of Thick and Sandwich Composite Plates," 2015-16 (Advising on contact mechanics and member of thesis committee-University of Patras).

#### ***Research Activities:***

Contact laws/elastoplastic material models; Analytical and experimental impact dynamics of composite structures; Damage assessment in composite laminates; Scaling and control of impact in structures; Dynamics of oilwell drill strings; Smart structures/control and identification; Engineering education/assessment and curriculum development.

Published in reputable high impact factor journals and in proceedings of conferences related to research interests (A Scopus search yields 1884 citations and  $h$ -index 23). Also, the impact of the work carried out was included in the Stanford top 2% of world scientists citation list. A list of the journal/conference papers is given in the publications section. It is worth noting that the work in impact dynamics characterization has been included in an impact mechanics monograph (Stronge, W.J. Impact Mechanics, Cambridge University Press, 2000, pp.214-217).

#### Research Projects

1. Impact Dynamics of Composite Structures, EPM-89, (P-I), KD 6400 (~ \$ 21000), 1/7/95-28/2/98.
2. Assessment and Continuous Improvement in Engineering Education at Kuwait University, (Co-I), KD 21000 (~ \$ 69000), 3 yrs., 1/5/01-31/12/04.

3. Characterization of Impact Dynamics in Composite Structures – Computational Validation, (P-I), KD 11750 (~ \$ 41000), 2 yrs, 1/3/09-31/10/11.
4. Fast Impact Analysis Cross-Methodology for Composite Leading Structures (FIMAC),” European JTI-Clean Sky Project, (~ \$ 500000), University of Patras, 2 yrs, 1/4/14-1/4/16.

***Other Activities/Community Service:***

Short Courses

1. Materials Technology, May 30 - June 3, 1992, Office of Consultation and Career Development, College of Engineering and Petroleum, Kuwait University.
2. Outcome-Based Course Assessment, May 26, 2001, October 27 & 29, 2001, November 11 & 13, 2001, October 28 & 29, 2002, December 15 & 16, 2003, May 9 & 10, 2005, December 11 & 12, 2005, April 27 & 28, 2009, January 5 & 6, 2010, November 29, 2010, Office of Consultation and Career Development, College of Engineering and Petroleum, Kuwait University.
3. Professional Development Workshop on Teaching Engineering Design, May 16 & 17, 2004, Office of Consultation and Career Development, College of Engineering and Petroleum, Kuwait University.
4. Professional Development Workshop for Faculty Members, Continuous Program Improvement based on ABET EC 2000, December 19, 2004 & April 25, 2005, Office of Consultation and Career Development, College of Engineering and Petroleum, Kuwait University.
5. Outcome-Based Course Assessment: Principles and Applications, April 26 & 27, 2016, November 28 & 29, 2017, College of Engineering and Petroleum, Kuwait University.

Associate Editor

Kuwait University, Journal of Engineering Research, January – October 2017

Reviewer/Evaluator

1. Composites Engineering Journal, Elsevier, 1994.
2. International Conferences on Composite Materials, ICCM, 1995.
3. Shock and Vibration Digest, 2002 – 2003
4. Kuwait Journal of Science & Engineering, 2003 – 2012
5. International Journal of Solids and Structures, 2004 – 2014
6. International Journal of Non-Linear Mechanics, 2007 – 2017
7. International Journal of Mechanical Sciences, 2007 – 2017
8. Journal of Intelligent Material Systems and Structures, 2008 – 2010
9. ASME Dynamics Systems and Control Conference, DSC 2008, DSC 2009.
10. ASME 2009 International Design Engineering Technical Conferences (IDETC)
11. Kuwait University, Research Administration
12. PAEET, Research Administration
13. Portuguese Foundation for Science and Technology (FCT)
14. Kuwait Journal of Engineering Research, 2012 –
15. Hellenic Republic, Ministry of Education, 2013 –
16. ASME Journal of Computational and Nonlinear Mechanics, 2013 –
17. Aerospace Science and Technology, 2015 –
18. Republic of Cyprus Commission for Degrees Accreditation, 2015 – 2018
19. Composites – Part A, 2018 –
20. ASME Journal of Applied Mechanics, 2018 –

### Conference Service/Attendance

- First International Conference on Composites Engineering, ICCE/1, August 28-31, 1994, New Orleans, LA, USA: Kuwait Regional Representative on the Organizational and Advisory Committee, and Session Chair.
- The Tenth International Conference on Composite Materials, ICCM-10, August 14-18, 1995, Whistler, B.C. Canada: Kuwait Representative on the International Advisory Committee.
- Fifth International Conference on Composite Science and Technology, ICCST/5, February 1-3, 2005, American University of Sharjah, Sharjah, UAE: Member on the International Advisory Board.
- Second International Conference on Engineering Education and Training, ICEET-2, April 9-11, 2007, Kuwait: Member on the Scientific Committee.
- Sixth International Symposium on Advanced Composite Technologies COMP-07, May 16-18, 2007, Corfu Imperial Hotel, Corfu, Greece: Member on the International Scientific Committee.
- Seventh International Conference on Composite Science and Technology, ICCST/7, January 20-22, 2009, American University of Sharjah, Sharjah, UAE: Member on the International Advisory Board.
- Eighth International Conference on Composite Science and Technology, ICCST/8, March 22-24, 2011, Novotel Hotel, Kuala Lumpur, Malaysia: Member on the International Advisory Board.
- Fourteenth International Conference on Advances in Materials and Processing Technologies (AMPT 2011), Hilton Hotel and Convention Center, July 13-16, 2011, Istanbul, Turkey: Member on the International Advisory Board.
- Ninth International Conference on Composite Science and Technology, ICCST/9, April 24-26, 2013, Sorrento, Italy: Member on the International Advisory Board.
- Second Composite Materials Forum: Advances in Composite Materials Research and Applications in the Middle East, May 1, 2014, Abu Dhabi, UAE: Keynote Speaker.
- Tenth International Conference on Composite Science and Technology, ICCST/10, September 2-4, 2015, Instituto Superior Técnico, Lisbon, Portugal: Member on the International Advisory Board.
- Eleventh International Conference on Composite Science and Technology, ICCST/11, April 4-6, 2017, American University of Sharjah, Sharjah, UAE: Member on the International Advisory Board.
- Twelfth International Conference on Composite Science and Technology, ICCST/12, May 8-10, 2019, Sorrento, Naples, Italy: Member of the Scientific Committee.
- Ninth EASN International Conference on Innovation in Aviation & Space, September 3-6, 2019, Athens, Greece: Session co-organizer.

Also, attended several other local and international conferences. Details are given in the conference papers section.

### Invited Lectures/Workshops

1. Effect of Flexibility on the Impact Response of Structures, Department of Mechanical & Aeronautical Engineering, University of Patras, Greece, May 1999.

2. ABET EC 2000 - Outcomes Assessment, Department of Mechanical & Aeronautical Engineering, University of Patras, Greece, September 1999.
3. ABET EC 2000 - Assessment and Continuous Improvement, University of Patras, Greece, Co-operative European Union Tempus Program, Reorganization of the University of Latvia, November 1999.
4. Quality Systems in Engineering Education: Outcome-Based Assessment, Higher Technical Institute, Cyprus, September 2001.
5. Workshop on Continuous Program Improvement and ABET EC 2000, Faculty of Engineering, King Abdulaziz University, Jeddah, Kingdom of Saudi Arabia, May 1-2, 2004.

Offered other lectures/seminars on Assessment/ABET EC 2000 within the College of Engineering and Petroleum, and other Colleges (Department Council, College Council, College Student Advisory Committee), at Kuwait University.

### **PUBLICATIONS:**

#### *Journal papers*

1. Swanson, S.R., and Christoforou, A.P., "Response of Quasi-Isotropic Carbon/Epoxy Laminates to Biaxial Stresses," **Journal of Composite Materials**, Vol. 20, pp. 457 - 471 (1986).
2. Swanson, S.R., and Christoforou, A.P., "Progressive Failure in Carbon / Epoxy Laminates Under Biaxial Stresses," **ASME Journal of Engineering Materials and Technology**, Vol. 109, pp. 12 - 16 (January 1987).
3. Christoforou, A.P. and Swanson, S.R., "Strength Loss in Composite Cylinders Under Impact," **ASME Journal of Engineering Materials and Technology**, Vol. 110, pp. 180 - 184 (January 1988).
4. Swanson, S.R., Christoforou, A.P., and Colvin, G.E., "Biaxial Testing of Fiber Composites Using Tubular Specimens," **SEM Journal of Experimental Mechanics**, Vol. 28, No. 3, pp. 238 - 243 (September 1988).
5. Christoforou, A.P., Swanson, S.R., and Beckwith, S.W., "Lateral Impact of Composite Cylinders," in **ASTM STP 1012/ Composite Materials: Fatigue and Fracture**, 2nd Volume, P.A. Lagace ed. (May 1989).
6. Christoforou, A.P., and Swanson, S.R., "Analysis of Simply Supported Orthotropic Cylindrical Shells Subject to Lateral Impact Loads," **ASME Journal of Applied Mechanics**, Vol. 57, pp. 376-382 (June 1990).
7. Christoforou, A.P., and Swanson, S.R., "Analysis of Impact Response in Composite Plates," **International Journal of Solids and Structures**, Vol. 27, No. 2, pp. 161 - 170 (1991).
8. Christoforou, A.P., "On the Contact of a Spherical Indenter and a Thin Composite Laminate," **Composite Structures**, Vol. 26, pp. 77-82 (1993).



9. Yigit, A.S., and Christoforou, A.P., "On the Impact of a Spherical Indenter and an Elastic-Plastic Transversely Isotropic Half-Space," **Composites Engineering**, Vol. 4, No. 11, pp. 1143-1152 (1994).
10. Christoforou, A.P., and Yigit, A.S., "Normalized Impact Response and Damage in a Thin Composite Laminate Supported by a Rigid Substrate," **Journal of Composite Materials**, Vol. 28, No. 16, pp. 1553-1573 (1994).
11. Yigit, A.S., and Christoforou, A.P., "On the Impact Between a Rigid Sphere and a Thin Composite Laminate Supported by a Rigid Substrate," **Composite Structures**, Vol. 30, pp. 169-177 (1995).
12. Christoforou, A.P, and Yigit, A.S., "Transient Response of a Composite Beam Subject to Elasto-Plastic Impact," **Composites Engineering**, Vol. 5, No.5, pp. 459-470 (1995).
13. Yigit, A.S, and Christoforou, A.P, "Impact Dynamics of Composite Beams," **Composite Structures**, Vol. 32, pp. 187-195 (1995).
14. Christoforou, A.P, and Yigit, A.S., "Impact of Composite Structures - The Momentum Balance Method," **Journal of Composite Materials**, Vol. 30, No. 10, pp. 1068-1087 (1996).
15. Yigit, A.S, and Christoforou, A.P, "Coupled Axial and Transverse Vibrations of Oilwell Drillstrings," **Journal of Sound and Vibration**, Vol. 195(4), pp. 617-627 (1996).
16. Christoforou, A.P., and Yigit, A.S., "Dynamic Modeling of Rotating Drillstrings with Borehole Interactions," **Journal of Sound and Vibration**, Vol. 206(2), pp. 243-260 (1997).
17. Yigit, A.S, and Christoforou, A.P, "The Efficacy of the Momentum Balance Method in Transverse Impact Problems," **ASME Journal of Vibrations and Acoustics**, Vol. 120, pp. 47-53 (January 1998).
18. Yigit, A.S., and Christoforou, A.P., "Coupled Torsional and Bending Vibrations of Drillstrings Subject to Impact with Friction," **Journal of Sound and Vibration**, Vol. 215(1), pp. 167-181 (1998).
19. Christoforou, A.P., and Yigit, A.S., "Characterization of Impact in Composite Plates," **Composites Structures**, Vol. 43, pp. 15-24 (1998).
20. Christoforou, A.P., and Yigit, A.S., "Effect of Flexibility on Low-Velocity Impact Response," **Journal of Sound and Vibration**, Vol. 217(3), pp. 563-578 (1998).
21. Yigit, A.S, and Christoforou, A.P, "Control of Low-Velocity Impact Response in Composite Plates," **Journal of Vibration and Control**, Vol. 6, No. 3, pp. 429-448, (2000).

22. Yigit, A.S., and Christoforou, A.P., "Coupled Torsional and Bending Vibrations of Actively Controlled Drillstrings," **Journal of Sound and Vibration**, Vol. 234(1), pp. 67-83 (2000).
23. Christoforou, A.P., "Impact Dynamics and Damage in Composite Structures," **Composite Structures**, Vol. 52, pp. 181-188 (2001).
24. Christoforou, A.P., Elsharkawy, A.A, and Guedouar, L.H., "An Inverse Solution for Low-Velocity Impact in Composite Plates," **Computers and Structures**, Vol. 79, pp. 2607-2619 (2001).
25. Saravanos, D.A., and Christoforou, A.P., "Low-Energy Impact of Adaptive Cylindrical Piezoelectric-Composite Shells," **International Journal of Solids & Structures**, Vol. 39, pp. 2257-2279 (2002).
26. Saravanos, D.A., and Christoforou, A.P., "Impact Response of Adaptive Piezoelectric Laminated Plates," **AIAA Journal**, Vol. 40, No.10, pp. 2087- 2095 (2002).
27. Christoforou, A.P., and Yigit, A.S., "Fully Coupled Vibrations of Actively Controlled Drillstrings," **Journal of Sound and Vibration**, Vol. 267(5), pp. 1029 - 1045 (2003).
28. Christoforou, A.P., Yigit, A.S., Al-Ansary, M.D., Ali, F., Aly, A.A., Lababidi, H., Nashawi, I.S., Tayfun, A., and Zribi, M., "Improving Engineering Education at Kuwait University Through Continuous Assessment," **International Journal of Engineering Education**, Vol. 19(6), pp. 818 - 827 (2003).
29. Koushki, P.A, Christoforou, A.P., Larkin, A.M, and Al-Roomi, A. "Kuwait Engineering Students' Attitudes Towards Teaching and Teachers," **International Journal of Engineering Education**, Vol. 21(3), pp. 424 - 433 (2005).
30. Yigit, A.S., and Christoforou, A.P., "Stick-Slip and Bit-Bounce Interaction in Oil-Well Drillstrings," **ASME Journal of Energy Resources Technology**, Vol. 128, pp. 268 - 274 (December 2006).
31. Yigit, A.S, and Christoforou, A.P., "Limits of Asymptotic Solutions in Low-Velocity Impact of Composite Plates," **Composite Structures**, Vol. 81(4), pp. 568-574 (2007).
32. Christoforou, A.P., and Yigit, A.S., "Improving Teaching and Learning in Engineering Education through a Continuous Assessment Process," **European Journal of Engineering Education**, Vol. 33(1), pp. 105-116 (March 2008).
33. Christoforou, A.P., and Yigit, A.S., "Scaling of Low-Velocity Impact Response in Composite Structures," **Composite Structures**, Vol. 91, pp. 358-365 (2009).
34. Christoforou, A.P., Yigit, A.S., Cantwell, W.J., and Yang F., "Impact Response Characterization in Composite Plates – Experimental Validation," **Applied Composite Materials**, Vol. 17(5), pp. 463-472 (2010).

35. Yigit, A.S., Christoforou, A.P., and Majeed, A.M., "A Nonlinear Visco-elastoplastic Impact Model and the Coefficient of Restitution," **Nonlinear Dynamics**, Vol. 66(4), pp. 509-521 (2011).
36. Majeed, A.M., Yigit, A.S., and Christoforou, A.P., "Elastoplastic Contact/Impact of Rigidly Supported Composite Structures," **Composites Part B: Engineering**, Vol. 43, pp. 1244-1251, (2012).
37. Christoforou, A.P., Yigit, A.S., and Majeed, A.M., "Low-Velocity Impact Response of Structures with Local Plastic Deformation: Characterization and Scaling," **ASME Journal of Computational and Nonlinear Dynamics**, Vol. 8, 011012-1, 011012-10 (2013).
38. Christoforou, A.P., and Yigit, A.S., "Inelastic Impact and the Coefficient of Restitution," **Journal of Engineering Research**, Vol. 4, No. (4), pp. 216-235 (December 2016).
39. Siorikis, D.K., Rekatsinas, C.S., Christoforou, A.P., and Saravanos, D.A., "Experimental and Numerical Investigation of Contact Laws for the Rapid Simulation of Low-Energy Impacts on Laminated Composite Plates," **Composites Structures**, Vol. 168, pp. 646-656 (2017).
40. Rekatsinas, C.S., Siorikis, D.K., Christoforou, A.P., Chrysochoidis, N.A., and Saravanos, D.A., "Analysis of Low Velocity Impacts on Sandwich Composite Plates using Cubic Spline Layerwise Theory and Semi Empirical Contact Law," **Composite Structures**, Vol. 194, pp. 158-169 (2018).
41. Rekatsinas, C.S., Siorikis, D.K., Christoforou, A.P., and Saravanos, D.A., "A Non-Linear Cubic Spline Layerwise Time Domain Spectral Element for Generic Impact Event Investigation in Sandwich Structures," **Composite Structures**, Vol. 260, 113531 (2021).
42. Rekatsinas, C.S., Siorikis, D.K., Nastos, C.V., Chrysochoidis, N.A., Theodosiou, T.C., Yigit, A.S., Christoforou, A.P., Saravanos, D.A., "An Efficient Computational Framework for Hailstone Impacts on Composite Plates with a Semi-empirical Viscoplastic Contact Law," **International Journal of Impact Engineering**, Vol. 178, 104628 (2023).

#### *Conference papers*

43. Christoforou, A.P. and Swanson, S.R., "Progressive Failure in Carbon/Epoxy Laminates Under Biaxial Stress," Paper No. 85-WA/Mtls-12, ASME Winter Annual Meeting, Miami Beach, Fla., Nov. 17-22, 1985.
44. Christoforou, A.P., Swanson, S.R., Ventrello, S.R. and Beckwith, S.W., "Impact Damage in Carbon / Epoxy Composite Cylinders," Proc. 32nd Intl. SAMPE Symposium and Exhibition, April 6 - 9, pp. 964 -973 (1987).

45. Christoforou, A.P. and Swanson, S.R., "Strength Loss in Composite Cylinders Under Impact," ASME Winter Annual Meeting, Symposium on Performance of Composites in Severe Environments, Boston, Mass., Dec. 13-18, 1987.
46. Christoforou, A.P. and Swanson, S.R., "Analysis of Simply Supported Orthotropic Cylindrical Shells Subject to Lateral Impact Loads," Recent Advances in the Macro- and Micro-Mechanics of Composite Materials Structures, AD-Vol. 13, ASME Winter Annual Meeting, Chicago, Ill., Nov. 27-Dec. 2, 1988.
47. Christoforou, A.P., "Localized Damage in Composite Structures," Proc. Ninth International Conference on Composite Materials, ICCM-9, Madrid - Spain, 12-16 July, Vol. 5, pp. 39-46 (1993).
48. Yigit, A.S., and Christoforou, A.P., "On the Impact of a Spherical Indenter and an Elastic-Plastic Transversely Isotropic Half-Space," 1st International Conference on Composites Engineering, ICCE/1, August 28-31, 1994, New Orleans, LA, USA.
49. Yigit, A.S, and Christoforou, A.P, "Impact Dynamics of Composite Beams," Eighth International Conference on Composite Structures, Paisley-Scotland, 11-13 September, 1995.
50. Yigit, A.S, and Christoforou, A.P, "The Efficacy of the Momentum Balance in Transverse Impact Problems," 15th Biennial Conference of Vibration and Acoustics, ASME, Boston-MA, 17-21 September 1995.
51. Christoforou, A.P and Yigit, A.S., "Dynamic Response of Composite Plates Subject to Elasto-Plastic Impact," Symposium on Dynamic Behavior and Response of Composites, ASME Winter Annual Meeting,, San Francisco, CA, 12-17 November, 1995.
52. Christoforou, A.P., Badrakhn, F.M., Darwish, M.M., Aly, A.A., Yigit, A.S. and Al-Najem, N.M., "Curriculum Development for the Mechanical Engineering Program-Design Content," ASME 1997 Mechanical Engineering Department Heads Education Conference, Mechanical Engineering Education for Global Practice, San Diego, CA, March 19-21, 1997.
53. Christoforou, A.P., and Yigit, A.S., "Characterization of Impact in Composite Plates," ICCE/4, Hawaii, July 6-12, 1997.
54. Yigit, A.S., and Christoforou, A.P., "Effect of Flexibility in Transverse Impact Problems," 16th Biennial Conference of Vibration and Noise, ASME, Sacramento-CA, Sept. 14-17, 1997.
55. Kouskhi, P.A., and Christoforou, A.P., "High School Curricula and Engineering Education," (abstract accepted, paper completed and submitted but not presented because the language of presentation was Arabic) 2<sup>nd</sup> Symposium on High School Curricula and Teaching Methods, College of Education, Kuwait University, March 7-10, 1998.

56. Christoforou, A.P., and Yigit, A.S., "Scaling of Impact in Composite Structures," Fifth National Congress on Mechanics, Ioannina-Greece, August 27-30, 1998.
57. Yigit, A.S., and Christoforou, A.P., "The Effect of Rotary Speed Control on the Coupled Torsional and Bending Vibrations of Drillstrings," ASME 1999 ETCE Conference, Houston, Texas, February 1999.
58. Yigit, A.S., and Christoforou, A.P., "Impact Dynamics and Damage in Composite Structures," Symposium on Recent Developments in the Study of Impacts on Composite Structures, in conjunction with the ASME 1999 Mechanics and Materials Conference, VPI & SU, Blacksburg, VA, June 27-30, 1999.
59. Christoforou, A.P., Al-Ansary, M.D, and Al-Juwayhel, F.I., "Assessment of Engineering Education at Kuwait University," Symposium on Assessment and Technical Education in Saudi Arabia, KFUPM, Dhahran, Saudi Arabia, 23-24 November, 1999.
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