

## CURRICULUM VITAE

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### STUDIES

- National Technical College of Spinning, Weaving and Knitting: Diploma in Spinning.
- Technological Education Centre of Piraeus: BSc in Electronics.
- National Technical University of Athens. School of Electrical and Computers Engineering: Dipl. Engineer in Electrical and Computer Eng. (MSc equiv.).
- National Technical University of Athens, School of Mechanical Engineering: Dr. Eng.

### PROFESSIONAL EXPERIENCE

- 1977 - 1981: VELCA Spinning Mills S.A.: maintenance of electronic systems.
- 1984 - 1989: Consultant on industrial automation and computers.
- 1986 - 1989: Binary Logic Applications Ltd: Manager of the Production Dept.
- 1989 - 1994: Clothing, Textile and Fibres Technological Development S.A.: R&D Manager.
- 1995 - 2018: Member of the staff of the Department of Electronics Engineering of Piraeus University of Applied Sciences (PUAS).
- 2018 - : Member of the staff of the Department of Electrical and Electronics Engineering of the University of West Attica.
- 2001 - 2005: NATO SfP Consultant
- 2005 - 2018: Member of the Scientific Council and Academic Consultant of the Greek NARIC.
- Professional Status: Professor - Department of Electrical and Electronics Engineering of the University of West Attica.

### ACADEMIC ADMINISTRATIVE POSITIONS

- 1998 - 1999: Director of the third section of the Department of Electronics Engineering of Piraeus University of Applied Sciences (PUAS).
- 2005 - 2017: Departmental Erasmus Coordinator.
- 2012 - 2015: Head of the Department of Electronics Engineering of Piraeus University of Applied Sciences (PUAS).
- 2012 - 2016: Member of the Administration Council of Piraeus University of Applied Sciences (PUAS).
- 2017 - 2018: Vice Rector of Piraeus University of Applied Sciences (PUAS).

- 2018 - 2019: Member of the Administration Council of the University of West Attica.
- 2018 – : Institutional Erasmus Coordinator of the University of West Attica
- 2018 – 2021: President of the Balkan Society of Textile Engineers (BASTE)
- 2021- : Vice President of the Association of Universities in Textiles (AUTEX)

## **PUBLICATIONS: JOURNALS**

**J1.** "On the performance of the geometrical models of fabrics for use in computational mechanical analysis", Ch. Provatidis and S. Vassiliadis, International Journal of Clothing Science and Technology, Vol. 16, No 5, 2004, pp 434-444.

**J2.** "Structural characterization of textile fabrics using surface roughness data", S. Vassiliadis and Ch. Provatidis, International Journal of Clothing Science and Technology, Vol. 16, No 5, 2004, pp 445-457.

**J3.** "On the Use of Image Processing techniques for the Estimation of the porosity of Textile Fabrics", A. Cay, S. Vassiliadis, M. Rangoussi and I. Tarakcioglu, Enformatika: Transactions on Engineering, Computing and Technology (World Academy of Science, Engineering and Technology), Vol. 2, pp. 95-98, Dec. 2004.

**J4.** "Performance of laboratory Experiments over the Internet: Towards an Intelligent Tutoring System on Automatic Control", K. Prekas, M. Rangoussi, S. Vassiliadis and G. Prekas, Enformatika: Transactions on Engineering, Computing and Technology (World Academy of Science, Engineering and Technology), Vol. 2, pp. 346-349, Dec. 2004.

**J5.** "Contact mechanics in the two-dimensional finite element modelling of fabrics", Ch. Provatidis, S. Vassiliadis and Anastasiadou E., International Journal of Clothing Science and Technology, Vol. 17, No 1, 2005, 29-40.

**J6.** "Estimation of the Bending Rigidity of Yarns: Influence on the Accuracy of the Numerical Modelling of Fabrics", Vassiliadis S. and Provatidis Ch. (2005), Applied Research Review, ISSN 1106-4110, Vol. X, No 1, 2005, pp 91-105.

**J7.** "Optimization Aspects on the Hand of the Fabrics", Vassiliadis S., Venetsanos D. and Provatidis Ch. (2005), Textile Research Journal, Vol. 75, No. 9 pp. 653-661.

**J8.** "Prediction of the Air Permeability of Woven Fabrics Using a Modified Kozeny-Carman Relationship", Cay A., Vassiliadis S. and Provatidis Ch., Applied Research Review, ISSN 1106-4110, Vol. XI, No 1, 2006, pp 151-159.

**J9.** "Geometrical Modelling of Plain Weft Knitted Fabrics", Vassiliadis S., Kallivretaki A. and Provatidis Ch., Indian Journal of Fibre & Textile Research, Vol. 32, March 2007, pp 72-79.

**J10.** "Prediction of the Air Permeability of Woven Fabrics using Neural Networks", Çay A., Vassiliadis S., Rangoussi M. and Tarakçıoğlu I., International Journal of Clothing Science and Technology Vol. 19, No 1, 2007, pp 18-35.

**J11.** "Mechanical Simulation of Plain Weft Knitted Fabrics", Vassiliadis S., Kallivretaki A. and Provatidis Ch., International Journal of Clothing Science and Technology, Vol. 19, No 2, 2007, pp 109-130.

**J12.** "Finite Element Modelling of the Warp Knitted Structure", Kallivretaki A., Vassiliadis S., Blaga M. and Provatidis Ch., Research Journal of Textile and Apparel, Vol. 11, No 4, 2007, pp 40-47.

**J13.** "The Impact of Textile Modelling in a CAE Environment", Vassiliadis S., Kallivretaki A., and Provatidis Ch., Inventics Review, Nr. 56, Vol. XI, 2007, ISSN 1210-3084, pp103-108.

**J14.** "The Effect of Compact and Ring Spun Yarns on the Micromechanical Properties of Knitted Fabrics", Vassiliadis S., Kallivretaki A., Gurkan P. and Provatidis Ch., Tekstil, 57 (4), 2008, pp 164-170.

**J15.** "Numerical Modelling of the Compressional Behaviour of Warp-Knitted Spacer Fabrics", Vassiliadis S., Kallivretaki A., Psilla N., Provatidis C., Mecit D. and Roye A., Fibers and Textiles in Eastern Europe, 2009, Vol. 17, No. 5 (76), pp 51-56.

- J16.** “*Mechanical Modelling of Twisted Multifilament Yarns*”, Vassiliadis S., Kallivretaki A., and Provatidis C., *Fibers and Polymers*, 2010, Vol. 11, No 1, pp. 89-96.
- J17.** “*Macromechanical Modelling of Woven Fabrics*”, Vassiliadis S., Kallivretaki A., Frantzeskakis P. and Provatidis C., *International Journal of Clothing Science and Technology*, Vol. 24, No 1, 2012, pp 15-26.
- J18.** “*Sedimentation behaviour in electrorheological fluids based on suspensions of zeolite particles in silicone oil*”, Prekas K., Shah T., Soin N., Rangoussi M., Vassiliadis S. and Siores E., *Journal of Colloid and Interface Science*, 2013, Vol.401, pp. 58-64.
- J19.** “*Performance Evaluation of a Communication Protocol for Vital Signs Sensors Used for the Monitoring of Athletes*”, Kiokes G., Vossou C., Chatzistamatis P., Potirakis S., Vassiliadis S., Prekas K., Tuna G. and Gulez K., *Int. Journal of Distributed Sensor Networks*, vol. 2014, Article ID 453182, doi:10.1155/2014/453182.
- J20.** “*Characterization of Thermochromic Fibers' Response to Temperature Change*”, Vossou C., Potirakis S. Simeonidis S and Vassiliadis S., *Key Engineering Materials*, Vol. 644 (2015) pp 74-77.
- J21.** “*Multiaxial Tensile Testing of Textile Fabrics*”, Vassiliadis S., Prekas K.,Katsoulis A., Vossou K., Gouvas P., Marmarali A. and Blaga M., *Journal of Fashion Technology & Textile Engineering*, Vol.3, (4), 2015.
- J22.** “*Computational Analysis of a Thermoelectric Generator for Waste-Heat Harvesting in Wearable Systems*”, Kossyvakis D., Vassiliadis S., Vossou C., Mangiorou E., Potirakis S., and Hristoforou E., *Journal of Electronic Materials*, DOI 10.1007/s11664-016-4452-2 (2016).
- J23.** “*On the Measurement of the Electrical Power Produced by Melt Spun Piezoelectric Textile Fibres*”, Matsouka D., Vassiliadis S., Prekas K., Vatansever-Bayramol D., Soin N., Siores E., *Journal of Electronic Materials*, (2016).
- J24.** “*A wearable magnetic sensing device for identifying the presence of static magnetic fields*”, Kossyvakis D., Vassiliadis S., Vossou C., Mangiorou E., and Potirakis S., *Measurement: Journal of the International Measurement Confederation*, 109, pp. 44-50, 2017.
- J25.** “*Investigation of the durability and stability of piezoelectric textile fibres*”, Matsouka D., Vassiliadis S., Vatansever-Bayramol D., Soin N., Siores E., *Journal of Intelligent Materials, Systems and Structures*, Vol. 28,5, pp 663-670 (2017).
- J26.** “*Bitcoin Value Analysis Based On Cross-Correlations*”, Vassiliadis S., Papadopoulos P., Rangoussi M., Konieczny T., Gralewski J., *Journal of Internet Banking & Commerce*, Jan 2017, Vol. 22, No.S7.
- J27.** “*Optical modeling of fiber organic photovoltaic structures, using a transmission line method*”, N. Moshonas, N.A. Stathopoulos, B.T. O'Connor, A.Celik Bedeloglu, S.P. Savaidis, S.Vasiliadis, *Applied Optics*, 56(34), pp 9351-9358, 2017
- J28.** “*Three-dimensional weft-knitted textile fabrics-based capacitors*”, Matsouka D., Vassiliadis S., Mitilineos S., Stathopoulos N., Siores E., *Journal of the Textile Institute*, 2018, Vol. 109,1, pp98-105.
- J29.** “*Physico-chemical and mechanical characterization of Jute fabrics for civil engineering applications*”, Hamsa B., ElHadi H., Mansour R., Priniotakis G., Vassiliadis S., Vasilakos S., Boughanem H. and Fella L., *Journal of Computational Methods in Sciences and Engineering* 18 (2018) 129–147.
- J30.** “*Optimum Operating Conditions for PZT Actuators for Vibrotactile Wearables*”, Logothetis I., Matsouka D., Vassiliadis S., Vossou C. and Siores E., *Journal of Electronic Materials*, <https://doi.org/10.1007/s11664-018-6226-5>.
- J31.** “*Piezoelectric textile fibres for wearable energy harvesting systems*”, Matsouka, D., Vassiliadis, S. and Bayramol, D.V., *Materials Research Express*, 5(6),2018.
- J32.** “*Thermoelectric Heat Patch for Clinical and Self-Management: Melanoma Excision Wound Care*”, Logothetis I, Gkoutzeli D., Kagkas D., Vassiliadis S. and Siores E., *Annals of Biomedical Engineering*, 47 (2), 2019.
- J33.** “*Electromagnetic Shielding and Reflection Loss of Conductive Yarn Incorporated Woven Fabrics at the S and X Radar Bands*”, Bahadir Kursun S., Mitilineos S., Symeonidis S., Sahin

U., Vassiliadis S., Kalaoglu F., Goustouridis D., Stathopoulos N. and Savvaidis S., Journal of Electronic Materials, (5), 2019.

**J34.** "Localino T-shirt: The Real-time Indoor Localization in Ambient Assisted Living Applications", Dharmo S., Sinanaj E., Mitilineos S., Kazani I., Papageorgas P., Skouras I. and Vassiliadis S., Textile and Leather Review, 2019, Volume 2, Issue 4, Pages 196-201.

**J35.** "Effect of Weaving Pattern and Yarn Density on the Surface Roughness of Woven Fabrics", Jaouani H., Matsouka D., Vassiliadis S. and Nikas K.S., Journal of Textiles and Engineering E-ISSN: 2147-0510, Volume 26, 116, 2019.

**J36.** "Low Stress Shear Behaviour of Cotton Fabrics", Inogamdjano D., Matsouka D., Vassiliadis S., Kizlaridis I. And Daminov A., Fibers and Polymers 2020, Vol.21, No.6.

**J37.** "Effect of Weaving Pattern and Yarn Density on the Surface Roughness of Woven Fabrics", Jaouani H., Matsouka D., Vassiliadis S. and Nikas K.S., Journal of Textiles and Engineering, Vol.26, No.4, 320-323.

**J38.** "Computational Modelling of Hospital Mattresses Made from Spacer Fabrics", Matsouka D., Vassiliadis S., Vossou K. and Marmarali A., Textile and Apparel, 30(4), 2020.

**J39.** "A Textile RFID Meander Antenna for Military Applications", Spahiu N., Mitilineos S., Kazani I., Agastra E., Vassiliadis S., Guxho G., International Journal of Innovative Technology and Interdisciplinary Sciences 4(4), 2021.

**J40.** "Triboelectricity and textile structures", Repoulias, A., Vassiliadis, S., Galata, S.F., Journal of the Textile Institute, 2021, 112(10), pp. 1580–1587

## **PUBLICATIONS: BOOKS AND BOOK CHAPTERS**

**B1.** "Automation and the Textile Industry", 136 σελ. έκδοση EUROTEX, Πορτογαλία, 1996.

**B2.** "[Artificial Neural Networks and their Applications in the Engineering of Fabrics](#)", Vassiliadis S., Rangoussi M., Cay A. and Provatidis Ch., in "[Woven Fabric Engineering](#)" Ed. by Dubrovski P., Intechopen Publ., ISBN 978-953-307-194-7, pp. 111-134, 2010.

**B3.** "[Mechanical Analysis of Woven Fabrics: The State of the Art](#)", Vassiliadis S., Kallivretaki A., Domvoglou D. and Provatidis Ch., in "[Advances in Modern Woven Fabrics Technology](#)", Ed. by S. Vassiliadis, Intechopen Publ., ISBN 978-953-307-337-8, 2011.

**B4.** "Electronics and Computing in Textiles", Vassiliadis S. Editor., ISBN 978-.87-403-082-0. Bookboon Publ. <http://bookboon.com/en/textbooks/it-programming/electronics-and-computing-in-textiles>.

**B5.** "Communication Protocol for Vital Signs Sensors Used for the Monitoring of Athletes", Vassiliadis S., Potirakis S., Kogias D. and Michailidis E., in "Smart Textiles and their applications" (ed. Vladan Koncar), ISBN 978-0-08-100574-3, Elsevier (Woodhead) Publ. 2016.

**B6.** "Applying Heat for Joining the Textile Materials", Jevšnik S., Vassiliadis S., Kursun Bahadir S., Grujic D. and Stjepanovic Z., in "Joining Technologies" (ed. M. Ishak), InTech Publ., ISBN 978-953-51-4777-0, 2016.

**B7.** "Energy Harvesting Smart Textiles", Derman Vatansever Bayramol, Navneet Soin, Tahir Shah, Elias Siores, Dimitroula Matsouka and Savvas Vassiliadis, in "Smart Textiles" (ed. Stefan Schneegass, Oliver Amft ), Springer Publ., ISBN 978-3-319-50123-9, 2017.

**B8.** "Piezoelectric Melt-Spun Textile Fibers: Technological Overview", Matsouka D and Vassiliadis S., in "Piezoelectricity" (ed. S. Vassiliadis), Intechopen Publ., ISBN: 978-1-78923-647-7, 2018.

## **PUBLICATIONS: CONFERENCES**

**C1.** "Integrated Management Systems in the Textile Industry", S. Vassiliadis, 78th World Conference of the Textile Institute, pp 53-68, May 1997, Thessaloniki, Greece.

**C2.** "Perspectives and Trends of the new Technologies in the Textile Industry", Th. Peppas, S. Vassiliadis, N. Koklas, 78th World Conference of the Textile Institute, pp 25-36, May 1997, Thessaloniki, Greece.

- C3.** *"Technology Policy for the Textile Industry in the European Periphery: The Case of Greece"*, G. Stamboulis, S. Vassiliadis, Th. Peppas, 78th World Conference of the Textile Institute, pp 237-257, May 1997, Thessaloniki, Greece.
- C4.** *"On the Numerical Estimation of the Mechanical Behaviour of Fabrics"*, C. Provatidis, S. Vassiliadis, 2<sup>nd</sup> AUTEX World Textile Conference, pp. 88-97, July 2002, Bruges, Belgium.
- C5.** *"Feature extraction and Classification of Faults in Circular Knitting Machines Based on Time-Frequency Techniques"*, S. Vassiliadis, M. Rangoussi and M. de Araujo, 2<sup>nd</sup> AUTEX World Textile Conference, pp. 203-213, July 2002, Bruges, Belgium.
- C6.** *"Estimation of the Geometrical Characteristics of the Fabrics for Use in Numerical Mechanical Modelling"*, C. Provatidis, S. Vassiliadis and M. Livaditi, 4<sup>th</sup> International Conference IMCEP 2003, pp.17-23, October 2003, Maribor, Slovenia.
- C7.** *"Retrieval of Structural Parameters of Textile Fabrics from Surface Roughness Data Obtained from KES-F Measurements"*, C. Provatidis, S. Vassiliadis, M. Rangoussi and K. Prekas, 4<sup>th</sup> International Conference IMCEP 2003, pp.149-156, October 2003, Maribor, Slovenia.
- C8.** *"Multiband Novel Diversity Monopole Antenna Printed on a PCMCIA Card"*, Angelopoulos E., Janssen A., Kaklamani D. and Vassiliadis S., Progress in Electromagnetics Research Symposium (PIERS 2004), March 28-31, 2004, Pisa, Italy.
- C9.** *"On the use of tensile data in the woven fabrics micromechanics"*, S. Vassiliadis, C. Provatidis and N. Markakis, 1st International Conference on Information Technology and Quality, Athens, Greece, 5-6 June 2004.
- C10.** *"Multistage design procedure of analog integrated filters"*, D. Tassopoulos, S. Vassiliadis and W. Soppa, 1st International Conference on Information Technology and Quality, Athens, Greece, 5-6 June 2004.
- C11.** *"Prediction of properties in the design of woven fabrics"*, Kh. Alimova, A. Daminov, D. Inogamdjandjanov and S. Vassiliadis, 1st International Conference on Information Technology and Quality, Athens, Greece, 5-6 June 2004.
- C12.** *"Biometrics for person identification: The E.E.G"*, M. Rangoussi, K. Prekas and S. Vassiliadis, 1st International Conference on Information Technology and Quality, Athens, Greece, 5-6 June 2004.
- C13.** *"A flexible System for Remote Acquisition and Processing of Environmental Measurements Data "*, Prekas K., Vassiliadis S, and Rangoussi M., 7ο Πανελλήνιο (Διεθνές) Συνέδριο, Μετεωρολογίας, Κλιματολογίας, Φυσικής της Ατμόσφαιρας, 28-30 Σεπτεμβρίου 2004, Λευκωσία, Κύπρος.
- C14.** *"Electrically Conductive Spun Yarns"*, S. Vassiliadis, Ch. Provatidis, K. Prekas and M Rangoussi, Xth International Izmir Textile and Apparel Symposium, pp 37-49, 27-30.10.2004, Izmir, Turkey.
- C15.** *"The spirality of the knitted fabrics and the settings of the knitting machine"*, Primentas A., Vassiliadis S, and Peppas A., 84<sup>th</sup> Textile Institute Annual World Conference, 2005, Raleigh, North Carolina, U.S.A.
- C16.** *"Compact vs Traditional Ring Spun Yarns: The Excellence of the Yarn Quality"*, Primentas A., Vassiliadis S, Katsandri F. and Kovalengou A., 84<sup>th</sup> Textile Institute Annual World Conference, 2005, Raleigh, North Carolina, U.S.A.
- C17.** *"Fabric Hand: An Important Quality Parameter of the Textile Fabrics"*, Vassiliadis S., Kallivretaki A., Gurkan P. and Provatidis Ch., 2<sup>nd</sup> Int. Conf. on Information Technology and Quality, Spetses, Greece, 2005.
- C18.** *"Estimation of the Geometrical Structure of the Plain Weft Knitted Fabrics for Use in the Numerical Modelling"*, Vassiliadis S., Kallivretaki A. and Provatidis Ch, 5<sup>th</sup> World Textile Conference AUTEX 2005, pp 412-417, 27-29 June 2005, Portorož, Slovenia.
- C19.** *"Prediction of the Air Permeability of Textile Fabrics Using Artificial Neural Network"*, Çay A., Vassiliadis S., Rangoussi M. and Tarakçioğlu I., 5<sup>th</sup> World Textile Conference AUTEX 2005, pp 768-774, 27-29 June 2005, Portorož, Slovenia.
- C20.** *"Automatic Control Lab: A Pilot System for Simulation and Remote Performance of the Experiments"*, Prekas K., Rangoussi M., Vassiliadis S. and Prekas G., WSEAS International

Conference on Engineering Education, pp 237-242, 8-10 July 2005, Vouliagmeni, Athens, Greece.

**C21.** *“Mechanical Modelling of Rib 1x1 Knitted Fabric”*, Vassiliadis S., Kallivretaki A. and Provatidis Ch., 37th International Symposium on Novelties in Textiles, ISBN 961-6046-37-7, 15–17 June 2006, Ljubljana, Slovenia.

**C22.** *“Subjective Hand Evaluation of Fabrics Produced with Compact and Ring Spun Yarns”*, Vassiliadis S., Pelin Gurkan, Kallivretaki A. and Provatidis Ch., 37th International Symposium on Novelties in Textiles, ISBN 961-6046-37-7, 15–17 June 2006, Ljubljana, Slovenia.

**C23.** *“Effects of Warp-Weft Density Variation on Fabric Hand”*, Çay A. and Vassiliadis S., 37th International Symposium on Novelties in Textiles, ISBN 961-6046-37-7, 15–17 June 2006, Ljubljana, Slovenia.

**C24.** *“The Effect of the Ring Spinning Frame Processing of the Fibrous Assemblies on Yarn Mass Irregularity”*, Primentas A., Blita A. and Vassiliadis S., 37th International Symposium on Novelties in Textiles, ISBN 961-6046-37-7, 15–17 June 2006, Ljubljana, Slovenia.

**C25.** *“Computational Mechanical Modeling as Textile Design Tool”*, Vassiliadis S., Kallivretaki A. and Provatidis Ch., 1<sup>st</sup> International Istanbul Textile and Textile Machinery Congress 2006, 31.05-04.06.06, Istanbul, Turkey.

**C26.** *“Water Repellency - Influence of Cotton Fabric Construction”*, Grancaric A.M., Kolgjini B., Tarbuk A, Vassiliadis S. and Penava Z., ITC&DC, 08-11.10.2006, Dubrovnik, Croatia.

**C27.** *“Geometrical Representation of the Interlock Knitted Structure in Numerical Modelling”*, Vassiliadis S., Kallivretaki A. and Provatidis Ch., 33<sup>rd</sup> Aachen Textile Conference, ISSN 0942-301X, 29-30.11.2006, Aachen, Germany.

**C28.** *“Micromechanical Modelling of Warp Knitted Fabrics”*, Kallivretaki A., Vassiliadis S., Blaga M. and Provatidis Ch., 7th World Textile Conference AUTEX 2007, June 2007, Tampere, Finland.

**C29.** *“Contact Phenomena in the Knitted Fabrics Modelling”*, Vassiliadis S., Kallivretaki A. and Provatidis Ch., 7th World Textile Conference AUTEX 2007, June 2007, Tampere, Finland.

**C30.** *“Finite Element Modelling of the Warp Knitted Structures”* Kallivretaki A., Vassiliadis S., Blaga M. and Provatidis Ch., ISC 2007, Delft, Holland, Workshop: Modelling and Simulation in the Textile Industry, pp 413- 419 (**Best Paper Award**).

**C31.** *“On the Numerical Modelling of the Weft Knitted Structures”*, Kallivretaki A., Vassiliadis S., Blaga M. and Provatidis Ch., CORTEP 2007, 16-20.10.2007, Iasi, Romania, Buletinul Institutului Politehnic din Iasi, Tomul LIII, 5, pp. 89-94.

**C32.** *“The Challenges of the New Spinning Technologies”*, Vassiliadis S., Prekas K., Kallivretaki A. and Provatidis Ch., XIth International Izmir Textile and Apparel Symposium, pp 246-258, 26-29.10.2007, Izmir, Turkey.

**C33.** *“On the Effects of the Boundary Conditions in the Computational Textile Modelling”* Kallivretaki A., Blaga M., Vassiliadis S., and Provatidis Ch., International Conference on Intelligent Textiles and Mass Customisation, pp 396-403, 15-17.11.2007, Casablanca, Morocco.

**C34.** *“Computational Mechanical Modelling of Textile Structures”*, Vassiliadis S., Kallivretaki A. and Provatidis Ch., Workshop on the Textile Research Networking in the frame of the International Conference on Intelligent Textiles and Mass Customisation, p. 525, 15-17.11.2007, Casablanca, Morocco.

**C35.** *“Computational Modelling of Twill and Satin Woven Structure”*, Vassiliadis S., Kallivretaki A., Grancaric A.M., Giannakis S. and Provatidis Ch., World Conference AUTEX 2008 June 2008, Biella, Italy.

**C36.** *“Computational Modelling of Spacer Fabrics”*, Vassiliadis S., Kallivretaki A., Kavagia X., Provatidis Ch., Mecit D. and Roye A., World Conference AUTEX 2008 June 2008, Biella, Italy.

**C37.** *“Computational Modelling of Fibrous Assemblies”*, Vassiliadis S., Kallivretaki A. and Provatidis Ch., International Conference of Applied Research in Textiles, Proceedings p. 309-313, November 2008, Sousse, Tunisia.

- C38.** *“Electrically Conductive Yarns: A Technological Overview”*, Vassiliadis S., Prekas K., Kallivretaki A., Rangoussi M. and Provatidis Ch., International Conference of Applied Research in Textiles, Proceedings p. 1, November 2008, Sousse, Tunisia.
- C39.** *“Power Quality Monitoring and Analysis in a Peper Mill Plant”*, Prekas K., Rangoussi M., Vassiliadis S. and Prekas G., MEDPOWER 2008, November 2008, Thessaloniki, Greece.
- C40.** *“Parametric Correlation of the Measurement Signals from Automated and Manual KES-F”*, Çay A., Vassiliadis S., Gersak J. and Provatidis Ch., World Conference AUTEX 2009, pp. 1374-1377, May 2009, Izmir, Turkey.
- C41.** *“Macromechanical Modelling of Woven Fabrics”*, Vassiliadis S., Kallivretaki A., Frantzeskakis P. and Provatidis Ch., World Conference AUTEX 2009 pp. 639-645, May 2009, Izmir, Turkey (**Royal Ten Cate Award**).
- C42.** *“Problems and Limitations on the Numerical Modelling of Textiles”*, Vassiliadis S., Kallivretaki A., and Provatidis Ch., Proceedings of the World Conference AUTEX 2009 pp. 40-45, May 2009, Izmir, Turkey.
- C43.** *“Fabric Drape Simulation Using FEM”*, Kallivretaki A., Vassiliadis S. and Provatidis Ch., South-East European Conference on Computational Mechanics, SEECCM, June 2009, Rhodes, Greece.
- C44.** *“Mechanical Modelling of Woven Fabrics Using the Homogenization Method”*, Provatidis Ch., Kallivretaki A. and Vassiliadis S., South-East European Conference on Computational Mechanics, SEECCM, June 2009, Rhodes, Greece.
- C45.** *“Electrically Conductive Spun Yarns and their Contact Behaviour”*, Vassiliadis S., Rangoussi M., Meimaris D., Prekas K., and Provatidis Ch., International Conference on Intelligent Textiles and Mass Customisation, 11-14.11.2009, Casablanca, Morocco.
- C46.** *“Estimation of the Volume of the Pleural Effusion by Computed Tomography”*, Kalokairinos M.I., Vassiliadis S.G., Vossou C.G., Ciurea A.I. and Ciorte C.A., European Congress of Radiology, March 2010, Vienna, Austria.
- C47.** *“Towards Semantic Reasoning in Wearable System Networks: A Case of Heart Beat Behaviour Recognition”*, Papantoniou A., Vassiliadis S., Aktipis-Trikoupis A. and Poulizos M., 5th International Textile, Clothing and Design Conference, pp 482-487, 03-06.10.2010, Dubrovnik, Croatia.
- C48.** *“The Conductive Spun Yarns as Electrical Components”*, Vassiliadis S., Prekas K., Rangoussi M., Absalon K. and Maillard J., XIIIth International Izmir Textile and Apparel Symposium, pp. 333-338, 28-30.10.2010, Izmir, Turkey.
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- C114.** “*Leather Electrical Properties for Wearable Antennas Development*”, A. Caka, J. Shanaj, S. Mytilineos, I. Kazani, S. Symeonidis and S. Vassiliadis, 8th ITC, Tirana, Albania, 2018.
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**IC.5** CIRAT-3, Sousse, Tunisia 2008.

**IC.6** AUTEX 2009, Izmir, Turkey, May 2009.

**IC.7** eRA-4, Spetses, Greece, September 2009.

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**IC.9** AUTEX 2010, Vilnius, Lithuania, May 2010.

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**IC.11** ITC&DC, Dubrovnik, Croatia October 2010.

**IC.12** CIRAT-4, Monastir, Tunisia December 2010.

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**IC.15** ITMC 2011, Casablanca, Morocco, October 2011.

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**IC.19** CORTEP 2012, Sinaia, Romania, September 2012.

**IC.20** 46th IFKT Congress, Sinaia, Romania, September 2012.

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**IC.27** ISKA, Romania, June 2013.

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**IC.29** 3rd SMARTEX Kafrelsheikh, Egypt, November 2013.

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**IC.35** Egemeditex, Cesme, Izmir, September 2014.

- IC.36** 47th IFKT Congres, Cesme, Izmir, September 2014.
- IC.37** ITC&DC, Dubrovnik, Croatia October 2014.
- IC.38** CIRAT-6, Hammamet, Tunisia, November, 2014.
- IC.39** ICTTE, Bulgaria, October 2014.
- IC.40** AUTEX 2015, Bucharest, Romania, June 2015.
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- IC.44** AUTEX 2016, Ljubljana, Slovenia, June 2016.
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- IC.47** ACOUSTICS 2016, Athens, Greece, October 2016.
- IC.48** 7th International Textile Conference, Tirana, Albania, November 2016.
- IC.49** AUTEX 2017, Corfu, Greece, May 2017.
- IC.50** IITAS 2017, Izmir, Turkey, October 2017.
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- IC.61** CIRAT-8, Monastir, Tunisia, November 2018.
- IC.62** CORTEP 2018, Iasi, Romania, October 2018.
- IC.63** ICONTEX 2019, Istanbul, Turkey, April 2019.
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- IC.70** AUTEX 2021, Porto, Portugal, September 2021
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**JR.21** Energy Sources

### **PARTICIPATION IN EU R&D etc PROJECTS. AMONG THEM:**

ESPRIT 975 TRACIT,

COMETT "TEAMS",

COMETT "EUROTEX"

SPRINT TEXTRANET,

SPRINT SP034 PLYFIL

LEONARDO "EduSpin"

LEONARDO "EUROTEX"

ADAPT "COSTEX"

LEONARDO "Technical Textiles"

SOCRATES "E-TEAM"

TEMPUS - TACIS: JEP (GR-BE-UZB)

WE-TEAM Erasmus Mundus

LEONARDO 2000 "TempTex"

Bilateral Cooperation: Greece - Slovenia

INVENT: "Smart Buildings",

EQUAL "Production and networking restructuring"

TEMPUS 2005 (GR-PT-UZB)

TEMPUS 2005: "MESYR" (GR-DE-SY).

COST 2011: "FLARETEX"

FP7: "SAVELEC"

THALIS "INVENVORG"

SYNERGASIA "PIMACTEX"

MARIE COURIE "ETEXWELD"

WINTEX Erasmus

## **PROFESSIONAL ACTIVITIES**

- Member of the Technical Chamber of Greece.
- Member of the Greek Electrical and Mechanical Engineers' Association.
- Member of the Greek Association of the Textile Engineers.
- Member of the Balkan Society of Textile Engineers