Curriculum Vitae

1. **Surname**: **KAJZAR**
2. **First name**: **François**
3. **Date and place of birth**:May 19, 1942, JAWORZYNKA , POLAND
4. **Nationality**: French
5. **Civil status**: Married, 3 children
6. **Education (degrees, dates, universities)**

MS, June 1965, Jagellonian University, Cracow, Poland
PhD, June 1970, Jagellonian University, Cracow, Poland

7. **Scientific Degree**: PhD in Physics, 1970, Jagellonian University, Krakow, Poland
8. **Language** skills: French (speaking, writing, reading – very well), English (speaking, writing, reading – very well), Polish (speaking writing, reading – very well), Russian (speaking, writing, reading – well), German & Italian (notions)
9. **Career/Employment** (employers, positions and dates):

Jagellonian University, Cracow, teaching assistant:	1965-1966
Jagellonian University, Cracow, doctoral fellowship:	1966-1970
Academy of Mining and Metallurgy, Cracow, professor assistant:	1970-1975
Institut Laue-Langevin, Grenoble, visiting scientist:	1975-1976
Commissariat à l'Energie Atomique, CE Saclay, senior scientist	1976-2006
Head of Nonlinear Optics Laboratory	
Research Director CEA	2002 – 2006 (retirement)
Bell Communications Research, Red Bank, NJ, USA consultant	1986
ISM - CNR, Bologna, Italy, visiting professor:	1989
IBM Almaden Research Center, visiting scientist, San Jose, USA	1990
Allied Signals, Morristown USA, consultant	1992
Lecturer at Ecole Supérieure d'Optique (Orsay)	1994 - 1997
Lecturer at University of Angers	2005 – 2009
Research Director Associate, AngersUniversity	2009-2014
Professor, Project Director Politehnica University of Bucharest	2010 – pres
Senior Scientist, volunteer, ENS Lyon	2014 - pres

10. **Specialization**: **main field** –Nonlinear optics, material research, biophysics
11. **Current research interests:** Hyperpolarizability of conjugated molecules; Resonant harmonic generation in thin films and in solutions, Second order effects in poled thin films; Linear and quadratic electrooptic modulation; Nonlinear spectroscopy; Thin film technology; Waveguiding linear and non linear optics; Photorefractive effect, Supramolecular physics; Nanomaterials, nanomotors, nanotechnologies; Biopolymers, DNA photonics
12. **Honours, Awards, Membership of Professional Societies**

Team Prize of 2nd degree of Minister of Sciences, Techniques and Education 1973
Team Prize of 2 degree of the President of the Atomic Energy Commission 1974
Eminent Scientist of RIKEN, Japan, 1994
Prix Rocard of French Physical Society 1996
Doctor Honoris Causa, University Politechnica of Bucharest, Romania, 2003
Founder and Editor in-Chief of Photonics Science News (to 2002)
Co-Founder and West European Editor of Nonlinear Optics (up to 2003, Nonlinear Optics Quantum Optics after)

Co-editor of the Monograph Series: Advances in Nonlinear Optics (to 2002)
Consultant Editor to Condensed Matter News (to
Member of Editorial Board of Supramolecular Science (to 1999)
Associate Editor of Optical Engineering (2000-2010)
West European Editor of Nonlinear Optics & Quantum Optics (since 2003)
Member of board of Journal of Nonlinear Optical Physics & Materials
Member of Scientific Council of Ecole Polytechnique (Paris) and Institute of Physics and Chemistry of Materials (Strasbourg), RIKEN (Japan)
Member of the board of GDR « Materials for Nonlinear Optics » (concerted action of CNRS) (to 2002)
Finalist of 2003 Rene Descartes Prize
Fellow of The International Society for Optical Engineering (SPIE, since 2004)
Eminent Scientist of Riken, Japan
Rocard Prize, French Optical Society
Laureate of Rene Descartes Prize 2007
Fellow SPIE 2004

13. **Medals**: Bronze Jakarta city (1993), Gold (1998) and vermeil (2006) work medals CEA 1998, Silver Menton town (1999), Catania University (Italy) (1999)

14. **Teaching experience**

Jagellonian University, Cracow, Poland :	1965 - 1970
Academy of Mining and Metallurgy	1970 - 1975
Ecole Supérieure d'Optique	1994 - 1997
Angers University	2005 – 2009

15. **Review expertise**

Project reviews for EC, Ministry of Research and Technology (France), National Science Foundation (USA), National Science Foundation (Canada), University of Buffalo (USA), University of Leuven (Belgium), ETH (Switzerland), University of Hong Kong (Hong Kong), RIKEN (Japan), ERATO projects (Japan), Australian National University, University of Hong Kong, Research, NATO, Swedish Research Foundation
Refereeing for Phys. Rev., Phys. Rev. Letters, Thin Sol. Films, J. Phys. Chem. , J. Appl. Phys., Appl. Phys. Lett., Synth. Metals, J. Chem. Phys., Adv. Materials, Chem. Mat., J. Phys., Appl. Opt., Opt. Letters, IEEE J. Quantum Electronics, J. Opt. Soc. Am., Nonl. Optics, Opt. Engin., ETRI Journal, Chem. Phys. Lett., Opt. Mat.

16. **Publications**

Number of papers in refereed journals: >450
Number of communications to scientific meetings: more than 70
Number of book chapters : 18
Books (co-edited or co-authored) :11
Number of special journal issues: 16

17. **Guest Editor services :**

First International Conference on Organic Nonlinear Optics ICONO'1, , Val Thorens (France), 9-13. 0.1. 1994, Nonl. Optics, vol.s. 9-10, 1995; EOS Topical Meeting on Materials for Nonlinear Optics, Val Thorens (France), 14-18. 0.1. 1996, Pure and Applied Optics, vol. 5, number 5 (1996) (with J. Zyss); EOS Topical Meeting on Materials for Nonlinear Optics, Capri (Italy), 8-12. 0. 07. 1997, Pure and Applied Optics, vol. 7, number 2 (1998) (with M. Bertolotti and F. Michelotti)); First International Workshop on Optical Power Limiting, Cannes (France), 28. 06 - 1. 07. 1998, Nonl. Optics, vol. 21, 1999; International Conference

on Frontiers of Polymers and Advanced Materials ICFPAM V, Poznan, 21 - 25. 06. 1999, Mol. Cryst. & Liq. Crystals, 2000 (with P. N. Prasad and R. Kozlowski); International Symposium on Optical Power Limiting, Venice (Italy), 2 - 5. 07. 2000, Nonl. Optics, vol. 27, 2000 (with R. Bozio); International Conference on Frontiers of Polymers and Advanced Materials ICFPAM VI, Recife, 4 - 9. 03. 2001, Mol. Cryst. & Liq. Crystals, 2000 (with P. N. Prasad and R. Kozlowski); International Conference on Frontiers of Polymers and Advanced Materials ICFPAM VII, Bucharest, 4 - 9. 03. 2003, Mol. Cryst. & Liq. Crystals, vols. 415-418, 2004 (with A. Meghea and I. Rau), Mol. Cryst. & Liq. Crystals, 2006, 2008, 2010, 2012, Procedings SPIE, each year, 2 of them

18. **Patents**

1. A device and the measurement procedure of nonlinear optical coefficients in isotropic phase (with J. Messier) FR2604802 (A1).
2. A device for the measurement of the electrostatic field by purely optical means (with P. A. Chollet and J. Messier) FR2599516 (A1).
3. A mesurement cell for the characterization of nonlinear optical properties of a material as well as a scale of windows and envelops for constitution of such cells (with A. Lorin). FR2676817 (A1
4. Polymerisable or polycondensable phosphine oxydes, obtained polymers with such oxydes and their use in nonlinear optics and in electro-optics (with M. Lequan and K. Chane Ching) FR2729667 (A1), EP0805814 (A1)
5. Optically addressable spatial light modulator with polimeric and liquid crystal structure, with S. Bartkiewicz and A. Miniewicz) FR2770312 (A1)
6. A device for light deflection and modulation (with M. Large and P. Raimond) FR2760543 (A1), EP0966700 (A1)
7. An electro-optic light deflector of light beam for multi point optical beam steering (with G. Blau, P. Raimond and G. Vitrant) FR2764398 (A1)
8. Dispositif de commutation optique integre, accordable en longueur d'onde (with M. Bugaud and PA. Chollet), FR2863728 (A1), FR2863728 (B1)

19. Projects managements

Bilateral: France - Poland, France - Lithuania, France - Romania,
NATO funded: France USA (2: Cornell University, Tucson University)
US Air Force funded projects: 4 (3 in France, 1 in Romania)
EU funded projects: ESPRIT, ENBAC, Mechanized Molecules (MECHMOL), PHOENIX, BIOMOLEC, NANOTEC EAST, ODEON
Project funded by CNET

20. Conferences and Workshops

Initiator several international conferences (ICONO, ISOPL, EOS Topical Meeting on Materials for Nonlinear Optics), Chairing or co-chairing eight times (2003, 2005, 2007, 2009; 2011; 2013, 2015, 2016) the International Conference on Frontiers of Polymers and Advanced Materials (ICFPAM, a conference whose main target is to bring excellent science to developing countries. Organization of several NATO sponsored NATO Advanced Research Workshops and 1 NATO Advanced Science Institute. Chairing or co-chairing of tens of SPIE conferences.