



## Head of the Department

Room: 112

Phone: +48 713435021 int. 177

e-mail: W.Stręk(at)int.pan.wroc.pl

## Education

- \* Ms.Sci. degree, A. Mickiewicz University, Poznań 1971
- \* Doctore degree, Institute of Low Temperature and Structure Research, PAS 1979
- \* Qualifying as assistant professor in Institute of Low Temperature and Structure Research of the Polish Academy of Sciences, PAS 1983
- \* Professor 1991

## Present research activity

- \* Rare earth ions and transition metal ions doped sol-gel materials, photonic structures, nanomaterials, nanoceramics and crystals

## Research stays

- \* Copenhagen University, Danmark, Danmark goverment schoolarschip, (1997-1 year, 1982-1995 - frequent 2-4 week stays)
- \* CNRS Meudon, CNRS schoolarschip France, (1982-1995 - frequent 2-4 weeks stays)
- \* Darmstadt Technical University, RFN, DAAD schoolarschip (1986 - 4 weeks)
- \* Helsinki University, Finalnd, ( 1987 - 2 weeks)

- \* Paris University, France, CNRS scholarship, (1996 - 2 weeks)
- \* and frequent short term scientific stays in Belarus

## Conferences

- \* XII Congress Europeen de SPECTROSCOPIE MOLECULAIRE 1975 Strasbourg, France
- \* XII European Congress on MOLECULAR SPECTROSCOPY 12-16.09.1977 Wrocław
- \* VIII Conference on QUANTUM ELECTRONICS AND NONLINEAR OPTICS, EKON '78 24-27.04.1978 Poznań
- \* IX Conference on QUANTUM ELECTRONICS AND NONLINEAR OPTICS, EKON '80 23-26.04.1980 Poznań
- \* International Conference on LUMINESCENCE 20-24.07.1981 Berlin(West)
- \* XII International Conference on COORDINATION CHEMISTRY 23-27.08.1982 Budapest, Hungary
- \* 1st International Conference on the CHEMISTRY AND TECHNOLOGY OF LANTHANIDES AND ACTINIDES 5-10.09.1983 Venice, Italy
- \* XVIth European Congress of MOLECULAR TECHNOLOGY 12-17.09.1993 Sofia, Bulgaria
- \* International Conference on LUMINESCENCE 13-17.08.84 Madison, USA
- \* International Symposium on RARE EARTH SPECTROSCOPY 10-15.09.1984 Wrocław
- \* International RARE EARTH Conference, IREC 85 3-8.03.1985 Zurich, Switzerland
- \* 5th International Conference on LASERS AND THEIR APPLICATIONS 28.10-01.11.1995 Dresden, DDR
- \* Symposium of UNDERSTANDING MOLECULAR PROPERTIES 2-4.04.1986 Copenhagen, Denmark
- \* 10th International Conference on NON-AQUEOUS SOLUTIONS 17-21.08.1986 Leuven, Belgium
- \* International Symposium on MOLECULAR LUMINESCENCE AND PHOTOPHYSICS 2-5.09.1986 Toruń
- \* First International Conference LASER M2P 7-9.07.1987 Lyon-Villeurbanne, France
- \* II Symposium on LASER TECHNOLOGY 7-10.08.1987 Szczecin
- \* First International School on EXCITED STATES OF TRANSITION ELEMENTS 20-25.06.1988 Wrocław- Książ Castle
- \* 7th International Conference on DYNAMICAL PROCESSES IN EXCITED STATES OF SOLIDS, DPC'89 30.08.-2.09.1989 Athens, Georgia, USA
- \* 2nd International Conference LASER M2P 9-11.07.1991 Grenoble, France
- \* 29th International Conference on COORDINATION CHEMISTRY 19-24.07.1992 Lausanne, Switzerland
- \* Winter Workshop on SPECTROSCOPY OF RARE EARTH SYSTEMS 25-28-03.1993 Karpacz
- \* II National Conference on MOLECULAR SPECTROSCOPY 27-30.09.1993 Wrocław
- \* 2nd International Conference on f-ELEMENTS 1-6.08.1994 Helsinki, Finland
- \* Third International School EXCITED STATES OF TRANSITION ELEMENTS 30.08-5.09.1994 Kudowa Zdrój
- \* Segundo Encontro Nacional sobre as TERRAS RARAS - TR95 6-17.02.1995 Araraquara, Brasil
- \* International Conference LIGHT AND BIOLOGICAL SYSTEMS 3-6.07.1995 Wrocław

- \* 5th International Workshop ELECTRONIC PROPERTIES OF METAL/NON-METAL MICROSYSTEMS 11-14.09.1995 Polanica Zdroj
- \* IInd International Winter Workshop on SPECTROSCOPY AND STRUCTURE OF RARE EARTH SYSTEMS, SSRES'96, 25-29.03.1996 Polanica Zdrój
- \* Twenty-first RARE EARTH Research Conference '96 7-12.07.1996 Duluth, USA
- \* 10th International Conference on LUMINESCENCE AND OPTICAL SPECTROSCOPY OF CONDENSED MATTER, ICL'96, 18-23.08.1996 Praga
- \* 2nd International Conference on TUNABLE SOLID STATE LASERS, TSSL'96 1-4.09.1996 Wroclaw
- \* International Conference on TUNABLE SOLID STATE LASERS 11-14.05.1997 Les Houches, France
- \* 2nd Belorussian-Russian Workshop SEMICONDUCTOR LASERS AND SYSTEMS 22-24.05.1997 Minsk
- \* BASIC PHYSICAL AND PHYSICOCHEMICAL PROPERTIES OF ELECTRONIC MATERIALS: MICRO- AND OPTOELECTRONICS - SELECTED TOPICS, Meeting with MOTOROLA representatives 28.06.1997 Wroclaw
- \* 9th International Workshop on GLASSES, CERAMICS, HYBRIDS AND NANOCOMPOSITES FROM GELS, Sol-Gel '97, 31.08-5.09.1997 Sheffield, UK
- \* 4th International School on EXCITED STATES OF TRANSITION ELEMENTS, ESTE '97 6-12.09.1997 Duszniki Zdrój
- \* International Conference on f ELEMENTS 14-18.09.1997 Paris, France
- \* IV National Conference on MOLECULAR SPECTROSCOPY with International Participation 28.09-01.10.1997 Wroclaw - Polanica Zdroj
- \* WORLD CERAMIC CONGRESS 14-19. 06.1998 Florence, Italy
- \* THE JABŁOŃSKI CENTENNIAL CONFERENCE ON LUMINESCENCE AND PHOTOPHYSICS 23-27.07.1998 Toruń
- \* 14th International Trade Fair and International Congress LASER 99, 14-18.06.1999 Munch, Deutschland
- \* International Conference on Luminescence and Optical Spectroscopy of Condensed Matter 23-27.08.1999 Osaka, Japan
- \* 4th French-Israeli Workshop. OPTICAL PROPERTIES OF INORGANIC MATERIALS 5-8.12.1999 Villeurbanne, France
- \* Rencontre Franco-Espaniole sur la chimie et physique de l'état solide 23-27.03.2000 Carrans - Alaubuisson, France
- \* The 2nd International Symposium on Laser, SCINTILLATOR AND NONLINEAR OPTICAL MATERIALS, Photonic Materials for 21st Century, May 28-31, 2000 Lyon, France
- \* 2000 Conference on LASERS AND ELECTRO-OPTICS EUROPE, CLEO2000 Sept. 10-15. 2000 Nice, France
- \* Belarussian-Polish Technical Exhibition and Scientific-Practical Seminar on Development of Bilateral Relationship, Nov. 15-16. 2000 Grodno, Belarus
- \* International Conference on SOLID STATE CRYSTALS. Materials Science and Applications, ICSSC2000 Oct. 9-12. 2000 Zakopane
- \* 4th International Conference on f-elements, ICFE4 Sept. 17-21 2000, Madrid, Spain
- \* 5th International Conference on EXCITED STATES OF TRANSITION ELEMENTS, ESTE 2001 June 6-11, 2001 Wroclaw - Ladek Zdroj
- \* International Conference on SOL-GEL MATERIALS, Research, Technology, Applications,

SGM2001 June 13-16, 2001 Wrocław - Rokosowo

- \* 11th International Workshop on GLASSES, CERAMICS, HYBRIDS AND NANOCOMPOSITES FROM GEL, SolGel2001, Sept. 16-21. 2001, Abano Terme, Italy
- \* Rare Earths' 2001 Brasil, 22-26 Sept. 2001, Campos do Jordao - SP, Brasil
- \* II Workshop of the NETWORK OF CENTERS OF EXCELLENCE. Interfacial effects in nanostructured materials. Nanostructured materials. 5 6 Oct. 2001, Ulm, Germany
- \* International Conference on Luminescence and Optical Spectroscopy of Condensed Matter (ICL'02), August 24-29, 2002 Budapest, Hungary
- \* French-Polish Symposium, Lyon, France (2002)
- \* 5th French-Israeli Workshop on OPTICAL PROPERTIES of INORGANIC MATERIALS, Lyon, France (2002)
- \* E-MRS Fall Meeting, Warsaw, Poland (EMRS 2003)
- \* 3rd International Conference on Sol-Gel Materials, Research - Technology - Applications, Szklarska Poreba, Poland (SGM 2003)
- \* 4th International Spring Workshop on Spectroscopy, Structure and Synthesis of Rare Earth Systems, Łądek Zdrój, Poland (RES 2003)
- \* International Symposium on Optical Science and Technology (SPIE's 49th Annual Meeting 2004, Denver, USA
- \* 9th Feofilov Symposium, Jekaterinburg, Russia (2004)
- \* The Ninth Asia Pacific Physics Conference (9th APCC) Oct. 25-31, 2004, Hanoi, Vietnam
- \* International Workshop on Nanophysics and Nanotechnology, Oct. 20-21, 2004, Hanoi, Vietnam
- \* Polish-French-Israelian Symposium on the Optical and Biological Materials, Będlewo, Poland (2004)
- \* International Conference on Rare Earths, Nara, Japan (Rare Earths'04)
- \* 14th International Conference on Luminescence, Beijing, China (ICL 2005)
- \* 15th International Conference on Dynamical Processes in Excited States of Solids, Shanghai, China (DPC 2005)
- \* European Materials Research Society 2005 Fall Meeting, Warsaw, Poland (EMRS 2005)
- \* 2nd International Conference on Physics of Laser Crystals, ICPLC 2005, Yalta, Crimea, Ukraine, 25-30.09.2005
- \* 6th International Conference on f-elements, ICfe'06, Wrocław, Poland 04-09.09.2006
- \* I Krajowa Konferencja Nanotechnologii, Wrocław, Poland (2007)

## Prizes

- \* Group Prize of Scientific Secretary of PAS, Warsaw (1979, 1984)
- \* Individual Prize of Scientific Secretary of PAS, Warsaw (1983)
- \* Member of Steering Committee Europ. Rare Earth Soc., (1982-1990)
- \* Scientific Secretary: Komitetu Spektroskopii PAN (1984)
- \* Scientific Secretary: I Conference on Rare Earth Spectroscopy, Wrocław (1984)
- \* Member of Scientific Committee: II i III Conference on Rare Earth Spectroscopy, China (1987), India (1990)
- \* Member of Scientific Committee: International Conference on Luminescence, Beijing, China (1987)
- \* Member of Scientific Committee: New Developments in f-elements, Luven (1990)

\* Chairman of Organizig Comittee: I, II, III i IV International School on Excited States of Transitions Elements, Poland (1988, 1991, 1994, 1997, 2001)

\* Chairman of Organizig Comittee: I i II Winter Workshop on Spectroscopy of Rare Earth Elements, Poland (1993, 1999)

\* co-Chairman of Scientific Comittee: I International Conference on SOL-GEL MATERIALS, Research, Technology, Applicatons, SGM2001, Wroclaw-Rokosowo (2001)

\* Member of Scientific Comittee: Rare Earths'2001 , Campos do Jordao, Brazylia (2001)

\* Gold medal "Eureka'99" in Brussels (1999)

\* Gold medal "Eureka'00" in Brussels (2000)

\* Gold medal "Eureka'99" in Brussels (2003)

\* Gold medal "Eureka'99" in Brussels (2004)

\* Chairman of Organizing Comittee: 6th International Conference on f-elements, ICfe'06, Wrocław, Poland (2006)