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Date and place of birth: **18.09.1960, Plovdiv, Bulgaria**Nationality: **Bulgarian**Education (*degrees, dates, universities*)

<i>grade</i>	<i>university</i>	<i>year</i>
MSc in Sociology	University of Sofia	1984
PhD in Sociology of Science	Institute of Sociology	1988
Habilitation	Institute of Sociology	1996
Senior Research Fellow	Institute of Sociology	1996
Associate Professor	Plovdiv University	1997

Career/Employment (employers, positions and acts)

1988-1996	Research Fellow, Institute of Sociology, Sofia
1992-1998	Assistant Professor, Univ. of Sofia, Bulgaria (part time)
1992-1993	Secretary of Master of Public Administration Program at the New Bulgarian University
1993-1994	Member of the Expert team at Ministry of Science and Education of Bulgaria
1995-1999	Deputy Director of Institute of Sociology
1996 till now-	Senior Research Fellow, Institute of Sociology (<i>since April 2010 Institute for Studying Societies and Knowledge, established after merging of BAS Institutes of Sociology, Institute of Philosophy, and Centre for Study of Science</i>)

- 1997- Associate Professor on Science and Technology Studies,
University of Plovdiv, Bulgaria
- 1999 - Head of Technology Studies Group, Institute of Sociology
- 1999 - President of Foundation "Institute for Financial Studies and Innovation", an
NGO promoting development of innovative entrepreneurs and innovations
in Bulgaria
- 2000 - 2003 president of the Bulgarian Sociological Association, professional
organization of Bulgarian sociologists. The organization is member of
International Sociological Association.
- 2004 -2009; Head of Department of Sociology, University of Plovdiv, Bulgaria
- 2009 till now Associated Professor at Department of Applied and Institutional Sociology
University of Plovdiv, Bulgaria
- 2010 Invited professor on B.A. Political Science Program in English at Centre
for Social Practices, New Bulgarian University
- 2013-2015 Associate Professor Center of Policy Analysis and Studies of Technologies
(PAST Center), , National Research Tomsk State University – Tomsk,
Russia (part time)
- 2013 till now Head of Department of Sociology, University of Plovdiv, Bulgaria

Specialization

- (i) Main field – sociology of science and technology, economy of technical
change, sociology of innovation, science and technology policy

Honors, Awards, Fellowships, Membership of Professional Societies

- 1990-1991 Fellowship on "Science&Technology Studies", University of Amsterdam,
The Netherlands;
- 1994 DAAD Fellowship with Prof. Karin Knorr, Institute of Science and
Technology Studies (IWTF), University of Bielefeld, Germany. Project
*"The Holographic Computer Memory: A 1970s Technological Revolution,
That Never TakePlace"*
- 1995 ACE-Phare Fellowship on Socio-Economics of Innovation with Prof.
Michel Callon at CSI, Ecole des Mines, Paris, France. Project
"Privatization, Structural Change and Innovation in Bulgaria after 1990"
- 1998-1999 US MacArthur Foundation Research and Writing Grant on Peace and
International Cooperation (No.97-50921). Project *"Bulgaria after the
Wassenaar Arrangement: the Tension Between Inherited Traditions and
New Commitments"*
- 1998 DAAD Fellowship with Prof. Karin Knorr, Institute of Science &
Technology Studies (IWTF), University of Bielefeld, Germany. Project
*"Knowledge societies and relationships between human and nonhuman
agents"*
- 1999 Bulgarian National Fund for Scientific Research Award for the project
*"The Holographic Computer Memory: A 1970-s Technological Revolution,
That Never Take Place"*.

- 1999-2001 INCO-Copernicus IV Program Research Grant "*Telematics and Communication Technology Industrial Comparative Study: Bulgaria, Romania and Macedonia*" (scientific coordinator)
- 2001-2002 NATO/France Grant for scientific exchange on "*Technologies in Post-Socialist Economic Transition*", CSI - École des Mines, Paris.
- 2003 Institute for Advanced Studies – Science, Technology and Society, Graz, Austria. Visiting Fellow
- 2003 DAAD Fellowship with Prof. Karin Knorr, University of Konstanz, Germany Institute of Science & Technology Studies (IWTF), University of Bielefeld, Germany. Project "*The Sites where the Future Takes Shape: Analysis of The Heterogeneous Micro-Communities in The Scientific Laboratories and Large Technical Systems*"
- 2003 2003 International Policy Fellowship, CPS – CEU, Budapest. Project on *Eastern Europe Economic Transition Policy Revisited: Neoschumpeterian Model*
- 2004 *The System of Legal Education in Bulgaria: An Evaluation of the Faculties of Law at Bulgarian Universities* – member of the expert team at Bulgarian Ministry of Justice.
- 2005 2005 Continuing International Policy Fellowship, CPS – CEU, Budapest. Project on *Policy Lacunas In Promoting Innovative SME In Bulgaria*
- 2005 *South-East European Network for Science and Technology Studies: STS Contributions to the Governance of Sociotechnical Change (SEENet-STs)*, Program on "Research Cooperation and Networking between Austria and South-Eastern Europe", Austrian Science and Research Liaison Offices (ASO), c/o Zentrum für Soziale Innovation, Wien, Austria
- 2006 *Creative Industries in Plovdiv Region, Bulgaria*. British Council sponsored project (head of research team)
- 2006 *Production of Knowledge Revisited (PROKNOW)*. Project on VI Framework Program of EC, 2006-2009 (Head of Bulgarian research team)
- 2005/2006 *The Reforms of Bulgarian Legal System. National Representative Surveys* – member of the expert team at Bulgarian Ministry of Justice.
- 2006/2007 *WIPO Study On The Contribution Of Copyright And Related Rights Industries To The National Economy Of Bulgaria*, head of Bulgarian national expert team, Bulgarian Ministry of Culture
- 2007 *A Topological Approach to Cultural Dynamics (ATACD)*, Project on VI Framework Program of EC, 2007-2010. (Coordinator for Bulgaria)
- 2008 *Becoming power hub of the Balkans: Bulgarian electric system between national strategy and COMECOM rules*, part of EUROCRIT project of European Science Foundation, 2008-2012 (<http://www.eurocrit.eu/>)
- 2009 *Current's Power: Transformation of Bulgarian Electric Power System after 1989*, RiskMonitor Foundation, Sofia.
- 2010 *Research in Paris* Program, Centre of Sociology of Innovation, Mines Paris Tech, January-March 2010
- 2010 *Visiting Research Fellowship*, Aleksanteri Institute for Russian and East European Studies, University of Helsinki, Finland, April-June 2010

2011 *Centre for Transfer of Knowledge and Technologies 'Puldin'* – internally funded project for creating institutional framework and market infrastructure for academic entrepreneurship at the University of Plovdiv, Bulgaria, May 2011 – November 2012

2012 *Building Capacities for Technology Transfer at University of Plovdiv* – project funded by 'Competitiveness' Structural Program of European Union, Bulgarian Ministry of Economy, December 2012-November 2014

Member of European Association for Study of Sciences & Technology (EASST)

Member of the Board of Bulgarian Sociological Association (president 1999-2003; 2012-2014)

Courses taught and other services provided to students

Sociology of knowledge – lecture course for B.A. Sociology students at University of Plovdiv (since 2007) and University of Sofia (since 1991)

Sociology of Science and Technology – lecture course for B.A. Sociology students at University of Plovdiv (1998 - 2007)

Sociology of Science – lecture course for B.A. Sociology students at University of Plovdiv (since 2007)

Sociology of Science and Technology- – lecture course for M..A. Sociology students at University of Sofia (2008, 2011)

Philosophy of Technology – lecture course for B.A. Philosophy students at University of Plovdiv (since 2008)

Innovation and Entrepreneurship – lecture course for B.A. Sociology students at University of Plovdiv (since 2003)

Economy of Technical Change – lecture course for B.A. Sociology students at University of Plovdiv (since 2008)

Technological Innovation – lecture course for M.A. Labour Markets and Human Resources students at University of Sofia (2003-2008)

Modern Sciences and Technologies: Socio-technical and techno-economic analysis - lecture course for M.A. Management of Research and Innovation' students at University of Plovdiv (2006 till present)

Invited courses, lectures and key-note speaker in English

„Economics and Sociology of Technical Change” - lecture course to M.A. Program on Sociology of Management, April 2013, September 2014, Research Center *Policy Analysis and Studies of Technologies*, National Research Tomsk State University, Russia.

“European Union and the Paths of Academic Entrepreneurship in Post-Socialist Bulgaria”; “Heterogeneous social communities in science and large technical systems: empirical findings and conceptual frames”- two lectures as invited Erasmus lecturer, May 7-8, 2012 Faculty of Social Sciences, University of Ljubljana, Slovenia

- Academic entrepreneurship in Eastern Europe (Lessons from late socialist and early transition period) - key-note lecture at *Entrepreneurship in The Socialist and Post-Socialist Space*, October 31 – November 1, 2011, University of Helsinki, Finland
- Science as Vocation and Science as *Enereia* (as existential action): Two Strategies of Empirical Research – invited lecture for Ph.D students at *Spring seminar of the Finnish Graduate School for Russian and East European Studies*, Helsinki, Finland, April 15, 2010
- The End of Socialist Entrepreneurs - key-note lecture at *Cooperation and Participation in Technoscience in the Socialist and Post-Socialist Space Workshop*, IAS-STS Graz, Austria, May 4-5, 2009
- New Sociology of Science: The Problems of Interdisciplinarity – key-note lecture at *Sociology and Interdisciplinary Conference*, University of Zadar, Coratia, May 8-10, 2008

List of main publications

a) papers

- Tchalakov, I. (2015) Invited Editor of the Special Volume of *International Journal of Actor-Network Theory and Technological Innovation* “New Space Entrepreneurship and Additive Manufacturing (3D Printing) as Challenges to Actor-Network Theory”, Volume 7, Issue 1,
- Tchalakov, I. (2015) The New Space Entrepreneurship and Its Techno-Economic Networks, in: *International Journal of Actor-Network Theory and Technological Innovation* (IJANTTI), Volume 7, Issue 1, pp.43-63
- Tchalakov, I. and Juan Rogers (2014) Computer Networks as the Embodiment of Social Networks: The Role of National Scientific Communities in the Development of Internet in the U.S. and Bulgaria, in: *International Journal of Actor-Network Theory and Technological Innovation*, (IJANTTI) 6(4), September 2014
- Tchalakov, I. (2014) Amateur’s Action in Science, in: *Le sujet de l’acteur: an Anthropological Outlook on Actor-Network Theory*, Special Volume of *Morphomata* Centre for Advances Studies (Internationales Kolleg “Morphomata”), University of Cologne, Germany
- Tchalakov, I., T. Mitev, and Ivaylo Hristov (2013) Bulgarian Power Relations: The Making of a Balkan Power Hub, in: Per Högselius, A. Hommels, A. Kaijser, E. van der Vleuten (eds), *The Making of Europe's Critical Infrastructure: Common Connections and Shared Vulnerabilities*, Palgrave-MacMillan, London
- Fabian Muniesa, F. and I. Tchalakov, (2012) Networks, Agents and Models: Objections and Explorations, in: *International Journal of Actor-Network Theory and Technological Innovation*, 4(1), January-March 2012, pp.13-23
- Tchalakov, I. and Martin J. Ivanov (2012) Bulgarien: Die Kraft und der Widerstand des Stroms – Sozio-technische sowie techno-politische Spannungen bei der Einführung von erneuerbaren Energien in Bulgarien am Beispiel der Windenergie und der Photovoltaik (Bulgaria: Power and Resistance of Electricity - Socio-technical and techno-political tensions in expanding the renewable energy power production in Bulgaria based on the example of wind and photovoltaic energy), in: *Sud-Ost Europa Mitteilungen*, vol.5-6, 52. Jahrgang, pp.100-112

- Tchalakov, I. (2011) The Socialist Entrepreneurs Viewed From the Joint Perspective of Joseph Schumpeter, Actor-Network Theory and Historical Sociology of Socialism, in: *Research in Social Change*, Number 3, Issue 1- January 2011, pp.15-51
- Tchalakov, I. (2010) Control, More Control: Studying Practical Forms of Scientific Rationality in a Bulgarian holographic Laboratory, in: *Almagest. International Journal for the History of Scientific Ideas*, Vol. 1, Issue , pp.22-49
- Tchalakov I., T. Mitev and V. Petrov, (2010). The Academic Spin-Offs as an Engine of Economic Transition in Eastern Europe. A Path-Dependent Approach, in: *Minerva*, Vol. 48, No.2, Springer, pp.189-217.
- Kopanov, P. I. Tchalakov, and D. Keskinova (2010). Networks Approach in Modeling Sociological Agent as Combination of Non-Determined Stochastic Automata, in: *Sociological Problems*, Special Issue, pp.222-241
- Kapriev, G. and Ivan Tchalakov (2009) Actor-Network Theory and Byzantine Interpretation of Aristotle's Theory of Action: Three Points of Possible Dialogue, in : *2008 Yearbook of the Institute for Advanced Studies on Science, Technologies & Society*, Edited by Arno Bammé, Günter Getzinger, and Bernhard Wieser, Graz (Austria) – München (Germany), Profil
- Vassileva, M., I.Tchalakov and V. Petrov (2008) – National Innovation System and Spin-Offs: The Case of Bulgaria, in: *Entrepreneurship, Innovation and Competition*, Institute of Economics, Skorje (*Предприемништво: иновации и конкурентност*, Економски институт, Универзитет „св. Кирил и Методий“), pp. 63-80
- Tchalakov, I. (2007) Bulgaria, in: “*Mittelstand*” and Trade in South Eastern Europe: *Social Market Economy as a Compass of Development*, Conrad Adenauer Stiftung e.V., Sankt Augustin / Berlin, pp. 47-62
- Tchalakov, I. (2007) Technology and the Models of Post-Socialist Economic Transition: Some Evidences from the Bulgarian experience, in: *Governing Sociotechnical Change in Southeastern Europe: Contributions from A Science & Technology Studies Perspective*, East-West Publishers, Sofia, 2007, pp.169-201
- Mitev, T., Tchalakov I., (2007). From Sociology of Science to STS: The Bulgarian Case, in: *Governing Sociotechnical Change in Southeastern Europe: Contributions from A Science & Technology Studies Perspective*, East-West Publishers, Sofia, pp.43-52.
- Tchalakov I., (2006). Socialism as Society of Networks and the Problem of Technological Innovations, in: *Sociological Problems*, Special Issue 2006, BAS Academic Publishers, Sofia, pp.343-371
- Tchalakov, I (2005) - The History of Holographic Optical Storage at The Both Sides of The Iron Curtain - 1969-1989, *ICON - The Journal of the International Committee for the History of Technology*, vol.11
- Tchalakov I., (2005). Technology and the Models of Post-Socialist Economic Transition, in: *Sociological Problems*, Special Issue 2005, BAS Academic Publishers, Sofia, pp.145-165
- Tchalakov, I. and Georgi Kapriev (2005) - The Limits of Causal Action Actor-Network Theory Notion of Translation and Aristotle's Notion of Action, in: *2005 - Yearbook of the IAS-STs*, Edited by Arno Bammé, Günter Getzinger, and Bernhard Wieser, Graz, Austria, München, Profil, 35 pages
- Tchalakov, I. (2004) - Language and Perception in the Coupling Between Human and Non-human Actors, in: *2004 - Yearbook of the Institute for Advanced Studies on*

Science, Technologies & Society, Edited by Arno Bammé, Günter Getzinger, and Bernhard Wieser, Graz, Austria.

- Tchalakov, I. (2004) - The Object and the Other in Holographic Research - Approaching Passivity and Responsibility of Human Actors, in: *Science, Technology & Human Values*, vol.29 No.1
- Tchalakov, I. (2004) – The Economic Transition in Bulgaria after 1989 and innovative entrepreneurship, in: *Journal of Bulgarian Academy of Sciences*, No.6, pp.16-22. (in Bulgarian)
- Tchalakov, I. (2003) Joseph Schumpeter rethought: the classic ideas on the innovations in no-exchange economy at the light of some recent studies of the communist economy, in: *Theory of Science*, Vol.: XII/XXV/2003, No.3, Prague
- Tchalakov, I. (2003) Socialism as a society of networks and the problem of economic development, in: *Sociological Problems*, No.1-2/2003, pp.106-130
- Tchalakov I., (2002). Towards a Neoschumpeterian Model of Post-Socialist Economic Transition, in: *Sociological Problems*, Special Issue 2002, LIK Publishing House, Sofia, pp.115-128
- Tchalakov I., (2002). Multiple Correspondence Analysis and its Application in Studying Relationships between Social Actors, in: *Sociological Problems*, No.1-2, pp.206-225 (in co-authorship with Donka Keskinova)
- Tchalakov I., (2001). Cluster Analysis and its Application as Preliminary Step to the Use of Multiple Correspondence Analysis in Sociology, in: *Sociological Problems*, No.3-4, pp.174-198 (in co-authorship with Donka Keskinova)
- Tchalakov, I. (2001) Instead of Diffusion: The Mutual Construction of Users of Advanced Communications Services in Bulgaria and of their Service Providers. In: *International Summer Academy on Technology Studies 2001 - User Involvement in Technological Innovation*, Deutschlandsberg, Austria.
- Tchalakov, I. (2001)a - The Bulgarian Research System – Ten Years Later, in: D.Cox, P. Gummet, and K. Barker (ed.) *Government Laboratories: Transition and Transformation*, PREST, Univ. of Manchester, NATO Science Series 4: Vol 34
- Tchalakov, I. (2001)b - Innovating in Bulgaria- Two cases in the life of a laboratory before and after 1989, in: *Research Policy*, Vol. 30/3 (Février), pp. 391-402
- Tchalakov, I. (2001)c - La théorie des réseaux techno-économiques et le développement dans les économies administrées, dans: J.Boucher, G. Fotev et S. Koleva (s.d. de) *Mutations de société en quête de sens*, Éditions LIK
- Tchalakov, I., Kirov, V. (2000) - Risk Capital and Innovative Entrepreneurship in Bulgaria. In: J. Vladimirov (ed.) *Contribution of Social Research to the Economic and Social Recovery Policy*, Sofia: Sofiiski Novini Edition, pp. 158-171.
- Tchalakov, I. (2000) - Bulgarian science in 20th century, in: *Almanac Bulgaria 20th century*, Sofia, *Trud Publishers*, p.545-582 (in Bulgarian)
- Tschalakov, I. (1999) - Dilemmata der wissenschaftlichen und technologischen entwicklung Bulgariens in Zeitraum 1950-1980, in: Hans Leo Kramer und Christo Stoyanov (eds), *Bulgarien im Übergang*, Edwin Ferger Verlag, pp.51-78
- Tchalakov, I. (1997) - Innovation in the Non-Exchange Economy. An Essay on Joseph Schumpeter, in: *Sociological Problems*, No.4 (in Bulgarian)
- Tchalakov, I. (1996) - Industrial Development and Ecological Risks, 1945-1990., in: Jacques Coenen-Huther (ed.) *Bulgaria at the crossroads*, Nova Science Publ. Inc, New York, 1996, pp. 245-258

Tchalakov, I., Boyadjieva, P. (1993) - A la périphérie de l'Europe: appréhension publique de la science en Bulgarie, in: *Alliage*, No.16-17, p. 67-74

Chalukov, I. T. (1993) The ecological awareness of Bulgarian Industrial Menagers. in: *The Environmentalist*, 1993, 3 (in co-authorship).

b) Books

Kapriev, G., M. Roussel and I. Tchalakov (Eds.) (2014) - *Le Sujet de l'Acteur. An Anthropological Outlook on Actor-Network Theory*, MORPHOMATA Volume 21, Wilhelm Fink Publishers, Germany

Nukula, J. and Ivan Tchalakov (2013) *Innovations and Entrepreneurs in Socialist and Post-Socialist Societies*, Cambridge Scholar Publishing, Newcastle upon Tyne, UK (sample of the book available at <http://www.c-s-p.org/Flyers/978-1-4438-4237-2-sample.pdf>)

Tchalakov I., Hristov I., Mitev T. (2011) *The Black Holes of Bulgarian Power Industry. (Transformation of Electric Power Sector after 1989)* East-West Publishing House, Sofia (in Bulgarian) (translated chapters from the book available at <http://ivantchalakov.weebly.com/publications.html>

Tchalakov I., Boundzhulov A., Hristov I. et al. (2008) *The Networks of Transition: What Actually Happened in Bulgaria After 1989*, East-West Publishing House, Sofia (in Bulgarian) (translated chapters from the book available at http://policy.hu/tchalakov/Tchalakov_publications.htm)

Rohracher, H., T. Mitev, I. Tchalakov, I. et al., H. (2007) *Governing Sociotechnical Change in Southeastern Europe: Contributions from A Science & Technology Studies Perspective*, East-West Publishers, Sofia,

Tchalakov I. et al. (2007) *Economic Contribution of copyright based industries in Bulgaria, 'Economy'* Publishing House, Sofia, (WIPO edition in English at http://www.wipo.int/ip-development/en/creative_industry/pdf/1009E-4.pdf)

Tchalakov, I. and D. Keskinova (2006) *The Creative Industries in Plovdiv Region*, British Council, Sofia. (available at <http://www.britishcouncil.org/bulgaria-mapping-ci-plovdiv-en.pdf>)

Burton P., and Ivan Tchalakov (eds.) (2001) - *Project TACTICS (Telematics And Communications Technologies in South East Europe*, Sofia, LIK Publishers (information available at <http://www.isomatic.co.uk/tactics.htm>)

Tchalakov, I. (1999) - *Emancipation of Credit: Transformation of Financial system, Entrepreneurship and Innovation in Bulgaria*, Institute of Sociology, Sofia, (in co-authorship), 90 p.

Tchalakov, I. (1998) - *Making a hologram: a book about the light, about the scientists and their world*, "Marin Drinov" Academic Publishing House, Sofia, 252 p.

Tchalakov, I. (1994) – *Science: A Life Outside the Laboratory*, "Marin Drinov" Academic Publishing House, Sofia (in co-authorship)

Tchalakov, I. (1993) - *The Chap. Social Worlds of Knowledge, Critics & Humanism* Publ., Sofia, 214 p.

Tchalakov, I. (1993) - *The Potential emigration of Bulgarian Scientists in 1990's*, Institute of Sociology, Sofia,(in co-authorschip), 78 p.