2019 NOMINEE BIOSKETCH FORM

NAME	Zdenek Valenta
PRESENT POSITION	Assoc. Prof., Deputy Director for Strategic Development, Dept. of Statistical Modelling, Chair, Institute of Computer Science of the Czech Academy of Sciences, Prague
DEGREES	2002 Ph.D. (Biostatistics, Univ. of Pittsburgh, USA) 1997 M.S. (Mathematical Statistics, Carnegie Mellon, USA) 1991 M.Sc. (Medical Statistics, London School of Hygiene & Tropical Medicine, U.K.) 1988 M.Sc. (Mathematical Statistics, Charles University in Prague, Czech Republic)
MAIN RESEARCH INTERESTS	1. Analysis of Censored Time-to-Event Data 2. Linear and Generalized Linear Models for Independent or Correlated data (LM, GLM, GLMM) 3. Generalized Additive Models (GAM) - Flexible Covariate Modelling 4. Statistical Modelling, Design & Analysis of Clinical Trials 5. Dimensionality Reduction, Stein's Paradox
SELECTED PUBLICATIONS IN CLINICAL BIOSTATISTICS (LIMIT TO 5)	1. Cervinka P, Kala P. *et al.* (2017). "OCT Guidance During Stent Implantation in Primary PCI: A Randomized Multicenter Study With Nine Months of Optical Coherence Tomography Follow-up", *International Journal of Cardiology*. https://doi.org/10.1016/j.ijcard.2017.10.059. 2. Stadnikova A, Dudakova L, Skalicka P, Valenta Z, Filipec M, Jirsova K (2017). "Active transforming growth factor-$\beta2$ in the aqueous humor of posterior polymorphous corneal dystrophy patients". *PLoS ONE* 12(4): e0175509. https://doi.org/10.1371/journal.pone.0175509. 3. Valenta, Z. and Kalina J. (2015). Exploiting Stein's Paradox in Analysing Sparse Data From Genome-Wide Association Studies. *Biocybernetics and Biomedical Engineering*, Volume 35, Issue 1, pp. 64-67. http://dx.doi.org/10.1016/j.bbe.2014.10.004. 4. Valenta Z, Pitha J, Poledne R. (2006). Proportional odds logistic regression--effective means of dealing with limited uncertainty in dichotomizing clinical outcomes. *Statistics in Medicine* 25(24):4227-34. http://dx.doi.org/10.1002/sim.2678. 5. Valenta Z, Weissfeld L. (2002). Estimation of the Survival Function for Gray's Piecewise-Constant Time-Varying Coefficients Model. *Statistics in Medicine* 21 (5):717–727. http://dx.doi.org/10.1002/sim.1061.
PAST AND CURRENT PARTICIPATION IN ISCB ACTIVITIES	2008 – ISCB Subcommittee on Conference Organising (COSC), member 2009 - LOC chair and organiser of the Annual ISCB Conference in Prague, Czech Republic 2006 - Founder of the Czech National Group of the ISCB, current chair 2011 - 2014 Member of the ISCB Executive Committee (ExCom, 2 terms) 2012 – ISCB Subcommittee on National Groups (NG SC), current chair 2015 - 2018 Officer (Treasurer of the ISCB) (2 terms)
GOALS AND VISION FOR THE ISCB	- To aid in connecting young talented researchers/biostatisticians with the ISCB, providing support where needed - To help promote biostatistics to the world regions where this discipline remains underdeveloped - To assist the Society in going through a difficult transition period associated with closing the ISCB Permanent Office in Copenhagen, Denmark and helping in establishing a new one - To help in identifying (emerging) scientific disciplines which might contribute to further development of clinical biostatistics (e.g. Machine Learning, etc.) - Encouraging collaboration with other Scientific Bodies / Societies having similar scientific interest and curriculum - Helping the Society's subcommittees to maintain up-to-date goals, terms of reference and agenda supporting the overall goals outlined above