

A - vědecká a vývojová činnost

Článek ve vědeckém časopise s IF	IF	Quartile	Rok	P	P_max	N	P	P_max	N	průměr N	F	J_imp	%	Jimp x %
Guy T. V. , Homolová J., Gaj A.: <i>Indirect Dynamic Negotiation in the Nash Demand Gam</i> , IEEE Access, vol. 10, pp. 105008-105021, 2022. Rank by IF 79/164 (COMPUTER SCIENCE, INFORMATION SYSTEMS) Rank by IF 105/276 (ENGINEERING, ELECTRICAL & ELECTRONIC) Rank by IF 43/93 (TELECOMMUNICATIONS), Q2 z r.2021	3,476	Q2	2021	79	164	0,479	105	276	0,378	0,428	0,067	29,805	1	29,805
Quinn A., Kárný M., Guy T. V. : <i>Optimal design of priors constrained by external predictors</i> , Int. J. of Approximate Reasoning, vol. 84, 1, p. 150-158, 2017. Rank by IF 65/132 (COMPUTER SCIENCE, ARTIFICIAL INTELLIGENCE) Q2	1,766	Q2	2017	65	132	0,489	NA	NA	NA	0,489	0,053	25,764	0,4	10,306
Quinn A., Kárný M., Guy T. V. : <i>Fully probabilistic design of hierarchical Bayesian models</i> , Information Sciences, vol. 369, 1, p. 532-547, 2016. Rank by IF in 2016 7/146 (COMPUTER SCIENCE, INFORMATION SYSTEMS), Q1	4,832	Q1	2016	7	146	0,041	NA	NA	NA	0,041	0,555	173,848	0,4	69,539
Kárný M., Guy T. V. , Kracík J., Nedoma P., Bodini A., Ruggeri F.: <i>Fully probabilistic knowledge expression and incorporation</i> , Statistics and its Interface vol.7, 4, p. 503-515, 2014. Rank by IF 5/99 (MATHEMATICS, INTERDISCIPLINARY APPLICATIONS), Q1 Rank by IF 9/57 (MATHEMATICAL & COMPUTATIONAL BIOLOGY), Q1	2,933	Q1	2014	5	99	0,041	9	57	0,143	0,092	0,348	112,601	1	112,601
Kárný M., Guy T.V. : <i>Fully probabilistic control design</i> , Systems and Control Letters vol. 55, 4, p. 259-265, 2006. Rank by IF 7/51 (AUTOMATION & CONTROL SYSTEMS), Q1 Rank by IF 5/60 (OPERATIONS RESEARCH & MANAGEMENT SCIENCE), Q1	1,683	Q1	2006	7	51	0,12	5	60	0,068	0,094	0,342	110,969	1	110,969
Kárný M., Andrýsek J., Bodini A., Guy T. V. , Kracík J., Ruggeri F.: <i>How to exploit external model of data for parameter estimation?</i> , Int. Journal of Adaptive Control and Signal Processing vol. 20, 1, p. 41-50, 2006. Rank by IF 33/51 (AUTOMATION & CONTROL SYSTEMS), Q3 Rank by IF 120/206 (ENGINEERING, ELECTRICAL & ELECTRONIC), Q3	0,580	Q3	2006	33	51	0,64	120	206	0,580	0,610	0,033	19,822	0,2	3,964

Článek ve vědeckém časopise s IF	IF	Quartile	Rok	P	P_max	N	P	P_max	N	průměr N	F	J_imp	%	Jimp x %
Šmídl V., Quinn, A., Kárný M., Guy T. V. : <i>Robust estimation of autoregressive processes using a mixture-based filter-bank</i> , Systems and Control Letters. vol. 54, 4, p. 315-323, 2005. Rank by IF 9/46 (AUTOMATION & CONTROL SYSTEMS), Q1 Rank by IF 6/56 (OPERATIONS RESEARCH & MANAGEMENT SCIENCE), Q1	1,239	Q1	2005	9	46	0,178	6	56	0,091	0,134	0,258	86,073	0,2	17,215
Kárný M., Böhm J., Guy T. V. , Nedoma P.: <i>Mixture-based adaptive probabilistic control</i> , International Journal of Adaptive Control and Signal Processing. vol. 17, 2, p. 119-132, 2003. Rank by IF 25/47 (AUTOMATION & CONTROL SYSTEMS), Q3 Rank by IF 109/205 (ENGINEERING, ELECTRICAL & ELECTRONIC), Q3	0,602	Q3	2003	25	47	0,522	109	205	0,529	0,526	0,046	23,693	0,4	9,477
Guy T. V. , Kárný M.: <i>Design of an adaptive controller of LQG type: spline-based approach</i> , Kybernetika vol. 36, 2, p. 255-262, 2000. Rank by IF 16/19 (COMPUTER SCIENCE, CYBERNETICS), Q4	0,178	Q4	2000	16	19	0,833	NA	NA	NA	0,833	0,011	13,148	1	13,148
Heřmanská J., Kárný M., Guy T. V. , Jirsa L.: <i>Biokinetics of 131 I in the human organism</i> , Journal of Radioanalytical and Nuclear Chemistry vol. 209, 2, p. 347-353, 1996. https://asep.lib.cas.cz/ar/cav/cs/detail-cav_un_epca-0409486-Biokinetics-of-131-I-in-the-human-organism/	0,244	NA	1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	0,4	NA

Celkem za vědecké časopisy s IF

595,722

377,023

Článek v českém recenzovaném časopise	Podíl	bodova hodnota	body uchazece
Kárný M., Nagy I., Nedoma P., Guy T. V. , Knížek J.: <i>Systém ProDaCTool pro podporu operátorů složitých procesů</i> , CHEMagazín vol. 12, 4, p. 23-29, 2002. ISSN 1210-7409	0.2	3	0.6
Kárný M., Nedoma P., Guy T. V. , Knížek J., Nagy I.: <i>Automatický systém podporující operátory složitých procesů</i> , Automatizace vol. 46, 3, p. 177-179, 2003.	0.4	3	1.2
Total			1.8

Příspěvek na konferenci (evidované na WoS)	podíl	bodová hodnota	body uchazeče
Zugarová E., Guy T.V. <i>Similarity-based transfer learning of decision policies</i> 2020 IEEE International Conference on Systems, Man, and Cybernetics, Toronto, ON, Canada, 2020, pp. 37-44, doi: 10.1109/SMC42975.2020.9283093.	1	8	8
Kárný M., Guy T. V. , <i>Preference Elicitation within Framework of Fully Probabilistic Design of Decision Strategies</i> . Proceedings of the 13th IFAC Workshop on Adaptive and Learning Control Systems 2019, IFAC Workshop on Adaptive and Learning Control Systems 2019.	1	8	8
Ruman M., Hůla F., Kárný M., Guy T. V. <i>Deliberation-Aware Responder in Multi-proposer Ultimatum Game</i> . In: Villa A., Masulli P., Pons Rivero A. (eds) Artificial Neural Networks and Machine Learning – ICANN 2016. Lecture Notes in Computer Science, vol. 9886. Springer, Cham, 2016.	0,2	8	1,6
Guy T. V. , Kárný M., Lintas A., Villa A.E. <i>Theoretical Models of Decision-Making in the Ultimatum Game: Fairness vs. Reason</i> . In: Wang R., Pan X. (eds) Advances in Cognitive Neurodynamics (V). Advances in Cognitive Neurodynamics, pp. 185-191. Springer, Singapore, 2016.	1	8	8
Kárný M., Macek K., Guy T. V. <i>Lazy Fully Probabilistic Design of Decision Strategies</i> . In: Zeng Z., Li Y., King I. (eds) Advances in Neural Networks – ISNN 2014. ISNN 2014. Lecture Notes in Computer Science, vol 8866, pp. 140-149. Springer, Cham, 2014.	0,4	8	3,2
Kárný M., Guy T. V. : <i>Preference Elicitation in Fully Probabilistic Design of Decision Strategies</i> , Proceedings of the 49th IEEE Conference on Decision and Control, p. 5327-5332, (Atlanta, US, 14. 12. 2010 - 18. 12. 2010).	1	8	8
Kárný M., Kracík J., Guy T. V. : <i>Cooperative decision making without facilitator</i> , IFAC Workshop "Adaptation and Learning in Control and Signal Processing" /9./, p. 1-6, Eds: Andrievsky B.R. , Fradkov A. L., IFAC Workshop "Adaptation and Learning in Control and Signal Processing" /9./, (Saint Petersburg, RU, 29. 08. 2007 - 31. 08. 2007).	0,4	8	3,2
Böhm J., Guy T. V. , Kárný M.: <i>Multiobjective probabilistic mixture control</i> , Preprints of the 16th World Congress of the International Federation of Automatic Control, Eds: Horáček P., Šimandl M., Zitek P., IFAC, (Prague 2005), IFAC World Congress /16./, (Prague, CZ, 03. 07. 2005 - 08. 07. 2005).	1	8	8
Ettler P., Kárný M., Guy T. V. : <i>Bayes for rolling mills: From parameter estimation to decision support</i> , Preprints of the 16th World Congress of the International Federation of Automatic Control, Eds: Horáček P., Šimandl M., Zitek P., IFAC, (Prague 2005), IFAC World Congress /16./, (Prague, CZ, 03. 07. 2005 - 08. 07. 2005).	0,4	8	3,2

Guy T. V. , Kárný M.: <i>On structure of local models for hybrid controllers</i> , Artificial Neural Nets and Genetic Algorithms. Proceedings, p. 340-344, Eds: Kůrková V., Neruda R., Kárný M., Steele N. C., Springer, International Conference on Artificial Neural Nets and Genetic Algorithms, Prague, 2001.	1	8	8
Guy T. V. , Kárný M., Böhm J.: <i>Linear adaptive controller based on smoothing noisy data algorithm</i> , European Control Conference. ECC '99, VDI/VDE GMA, Karlsruhe 1999.	1	8	8
Kárný M., Guy T.V. : On the Origins of Imperfection and Apparent Non-Rationality, Decision Making: Uncertainty, Imperfection, Deliberation and Scalability. Eds: Guy T. V., Kárný M., Wolpert D.H, p.57-92, Springer 2015.	1	8	8
Kárný M., Guy T.V. : <i>On Support of Imperfect Bayesian Participants</i> , Decision Making with Imperfect Decision Makers, vol.28, p.29-56, Springer, 2012.	1	8	8
Celkem za příspěvky na konferenci (evidované na WoS)			83,2

Odborná kniha (monografie) - světový jazyk	podíl	bodová hodnota	body uchazeče
Kárný M., Böhm J., Guy T. V. , Jirsa L., Nagy I., Nedoma P., Tesař L.: <i>Optimized Bayesian Dynamic Advising: Theory and Algorithms</i> , Springer-Verlag, London, 2006.	0,4	40	16
Celkem za odbornou knihu			16

Udělený grant zahraniční	Body
2017-2021: Distributed rational decision making EU-COST CA16228	20
2022-2026: <i>Dynamic distributed decision making: role of uncertainty</i> EU-COST CA21169	20
Celkem za zahraniční granty	40

Udělený grant tuzemský	Body
2018-2021: <i>Distributed rational decision making: cooperation aspects</i> MŠMT ČR, LTC18075	10
2003-2005: <i>Development of multiple-model adaptive systems</i> GAČR 102/03/P010	10
2007-2008: <i>Bayesian decision making to support change detection in complex manufacturing systems</i> MŠMT ME 9-06-7	10
2000-2002: <i>Hybrid self-tuning control</i> GAČR 102/00/P045	10
Celkem za tuzemské granty	40

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Celkem

128x5=640

B- pedagogická a popularizační činnost

Elektronické učebnice a skripta		Body
T.V.Guy, Decision Making Under Uncertainty, Lecture Notes, ISBN: 978-80-903834-9-4, Ústav teorie informace a automatizace AV ČR, v.v.i., November 2022		20
Odborná knižní publikace		Body
Kárný M., Guy TV On the Origins of Imperfection and Apparent Non-Rationality , <i>Decision Making: Uncertainty, Imperfection, Deliberation and Scalability</i> , pp. 57-92 , Eds: Guy Tatiana V., Kárný Miroslav, Wolpert David H, Springer, 2014		20
Kárný M., Guy T.V. : On Support of Imperfect Bayesian Participants , <i>Decision Making with Imperfect Decision Makers</i> , p. 29-56 , Springer 2012		20
Celkem		40

Výuka v zahraničí ve světovém jazyce (za přednášku nebo cvičení)	Body
1991-1995: 8 semestrů, 8 kurzů	80

Obhájená bakalářská a magisterská práce	Body
3x bakalářská a 3x magisterská práce	3