**Dr. Varun Dutt**

**Internationals journal publications**

* Kumar, M. & **Dutt, V.** (2015). Understanding Cooperative Behavior against Climate Change through a Public - Goods Game. Climate Change, 1(2), 68-71.
* **Dutt, V.**, Arlo-Costa, H., Helzner, J., & Gonzalez, C. (2014). The Description-Experience Gap in Risky and Ambiguous Gambles. *Journal of Behavioral Decision Making,* *27*(4)*,* 316-327.
* Mehlhorn, K., Ben-Asher, N., **Dutt, V.**, & Gonzalez, C. (2014). Observed Variability and Values Matter: Towards a Better Understanding of Information Search and Decisions from Experience. J*ournal of Behavioral Decision Making,* *27*(4)*, 328–339*.
* Gonzalez, C., Ben-Asher, N., Martin, J. M., & **Dutt, V.** (2014). A Cognitive Model of Dynamic Cooperation with Varied Interdependency Information. *Cognitive Science*, *38*(7), 1–39. doi: 10.1111/cogs.12170
* Debnath, S., Baishya, S. S., Triebel, R., **Dutt, V.**, Cremers, D. (2014). Environment-Adaptive Learning: How Clustering Helps to Obtain Good Training Data. *Lecture Notes in Computer Science*, *8736*, pp 68-79. doi: 10.1007/2F978-3-319-11206-0\_8
* Kumar, A., Prakash, J., **Dutt, V.** (2014). Understanding Human Driving Behavior through Computational Cognitive Modeling. *Lecture Notes in Computer Science*, *8662,* pp 56-65. doi: 10.1007/978-3-319-11167-4\_6
* **Dutt, V.**, & Kaur, A. (2013). Cyber Security: Testing the Effects of Attack Strategy, Similarity, and Experience on Cyber Attack Detection. *International Journal of Trust Management in Computing and Communications*, *1*(3/4), 261-273. doi: 10.1504/IJTMCC.2013.056428
* **Dutt, V.**, Young-Suk, A., & Gonzalez, C. (2013). Cyber Situation Awareness: Modeling the Detection of Cyber Attacks with Instance-based Learning Theory. *Human Factors*, *55*(3), 605-618. doi: 10.1177/0018720812464045
* Proctor, R.W., Yamaguchi, M., **Dutt, V.**, & Gonzalez, C. (2013). Dissociation of S-R Compatibility and Simon Effects with Mixed Tasks and Mappings. *Journal of Experimental Psychology: Human Perception and Performance*, *39*(2), 593-609. doi: 10.1037/a0029923
* **Dutt, V.** (2013). Alleviating Wait-and-See Behavior for Climate Change through Computer Simulation Tools. *Essent*, *1*(1), 33-37. issn: 2319-6149.
* **Dutt, V.**, & Gonzalez, C. (2013). Enabling eco-friendly choices by relying on the proportional-thinking heuristic. *Sustainability*, *5*(1), 357-371. doi: 10.3390/su5010357

**Book chapter publications**

* Kunreuther H., S. Gupta, V. Bosetti, R. Cooke, **V. Dutt**, , M. Ha‐Duong, H. Held, J. Llanes‐Regueiro, A. Patt, E. Shittu, and E. Weber, 2014: Integrated Risk and Uncertainty Assessment of Climate Change Response Policies. In: *Climate Change 2014: Mitigation of Climate Change. Contribution of Working Group III to the Fifth Assessment Report of the Intergovernmental Panel on Climate Change*[Edenhofer, O., R. Pichs-Madruga, Y. Sokona, E. Farahani, S. Kadner, K. Seyboth, A. Adler, I. Baum, S. Brunner, P. Eickemeier, B. Kriemann, J. Savolainen, S. Schlömer, C. von Stechow, T. Zwickel and J.C. Minx (eds.)]. Cambridge University Press, Cambridge, United Kingdom and New York, NY, USA.
* Sharma, N., & **Dutt, V.** (2014). Decisions from Information Search: Could Models of Aggregate Choice Explain Individual Choices? In M. Khosrow-Pour (Ed.), *Encyclopedia of Information Science and Technology, Third Edition* (pp. 4641-4652). Hershey, PA: IGI Global.
* **Dutt, V.**, & Gonzalez, C. (2013). Climate Risk Communication: Effects of cost, timing, and probability of climate consequences in decisions from description and experience. In C. L. Fung (Ed.), *Psychology of Policy Making* (pp. 23-48). Hauppauge, New York: Nova Science Publishers.
* **Dutt, V.** (2013). Why Do We Defer Actions on Climate Change? A Cognitive Perspective. In M. Carpenter & E. J. Shelton (Eds.), *Carbon Dioxide Emissions: New Research* (pp. 1-14). Hauppauge, New York: Nova Science Publishers.
* **Dutt, V.**, & Gonzalez, C. (2013). Responding linearly in nonlinear problems: Application to earth’s climate. In M. Carpenter & E. J. Shelton (Eds.), *Carbon Dioxide Emissions: New Research* (pp. 15-30). Hauppauge, New York: Nova Science Publishers.

**Conference publications**

* Sharma, N., & **Dutt, V.** (2014). Decisions from Experience: Could Models of Aggregate Choice Explain Individual Choices from Information Search? In Paper presented at the 23rd Annual Conference on Behavior Representation in Modeling & Simulation (BRiMS 2014). Washington, DC: USA.
* Sharma, N., & **Dutt, V.** (2014). Modeling Choices at the Individual Level in Decisions from Information Search. In Paper presented at the 1st Annual Conference on Cognitive Science (ACCS 2014). New Delhi, India.
* Sharma, N., & **Dutt, V.** (2014). Decisions from Experience: How Models of Aggregate Choices Explain Individual Choices? In Paper presented at the 4th IEEE International Advance Computing Conference. Gurgaon, India.
* Sharma, N., & **Dutt, V.** (2014). Modeling Choices at the Individual Level in Decisions from Experience. In Poster presented at the Interdisciplinary Emerging and Converging Research & Academia collaborative workshop in Innovative Engineering, Technology & Science Fields (IECRAIETS), IIT Mandi, India.
* Kumar, M., & **Dutt, V.** (2014). Understanding Cooperation against Climate Change through a Public-Goods Game. In Poster presented at the Interdisciplinary Emerging and Converging Research & Academia collaborative workshop in Innovative Engineering, Technology & Science Fields (IECRAIETS), IIT Mandi, India.
* Chaturvedi, P. & **Dutt, V.** (2014). Assessment and Perception of Landslide Risks. In Poster presented at the Interdisciplinary Emerging and Converging Research & Academia collaborative workshop in Innovative Engineering, Technology & Science Fields (IECRAIETS), IIT Mandi, India.
* Chouhan, R., Ranganathan, K. & **Dutt, V.** (2014). An Investment Device: Applications of Decision from Description and Experience to Portfolio Allocations. In Poster presented at the Interdisciplinary Emerging and Converging Research & Academia collaborative workshop in Innovative Engineering, Technology & Science Fields (IECRAIETS), IIT Mandi, India.
* Arora, A., & **Dutt, V.** (2013). Cyber Security: Evaluating the Effects of Attack Strategy and Base Rate through Instance-Based Learning. In Paper presented at the 12th International Conference on Cognitive Modeling. Ottawa, Canada.
* Kaur, A., & **Dutt, V.** (2013). Cyber Situation Awareness: Modeling the Effects of Similarity and Scenarios on Cyber Attack Detection. In Paper presented at the 12th International Conference on Cognitive Modeling. Ottawa, Canada.
* Kanaparthi, B., Reddy, R., & **Dutt, V.** (2013). Cyber Situation Awareness: Rational Methods versus Instance-Based Learning Theory for Cyber Threat Detection. In Paper presented at the 12th International Conference on Cognitive Modeling. Ottawa, Canada.
* Gonzalez, C., Ben-Asher, N., Martin, J. M., & **Dutt, V.** (2013). Emergence of cooperation with increased information: Explaining the process with dynamic adaptation to surprises. In Paper presented at the 15th International Conference on Social Dilemmas. Zurich, Switzerland.
* Ben-Asher, N., **Dutt, V.**, & Gonzalez, C. (2013). Accounting for the integration of descriptive and experiential information in a repeated prisoner's dilemma using an instance-based learning model. In Paper presented at the 22nd Behavior Representation in Modeling & Simulation (BRIMS) Conference. San Antonio, Texas, USA.
* Kaur, A., **Dutt, V.**, & Gonzalez, C. (2013). Modelling the Security Analyst’s Role: Effects of Similarity and Past Experience on Cyber Attack Detection. In Paper presented at the 22nd Behavior Representation in Modeling & Simulation (BRIMS) Conference. San Antonio, Texas, USA.
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* **Dutt, V.** (2012). Information Search in Decisions from Experience: Influence of Variability and Timing on Patterns of Sampling. In Paper presented at the 2012 Annual Convention of National Academy of Psychology (NAOP). Bangalore, India.
* Gonzalez, C., **Dutt, V.**, Martin, J., & Ben-Asher, N. (2012). Decisions from Experience in Conflict Situations: A cognitive model of the effects of interdependence information. In Paper presented at the 2012 Behavioral Decision Research in Management (BDRM) conference. Boulder, Colorado.

**Newspaper publications**

* A few recent articles can be found here: <www.mydigitalfc.com/2008/varun-dutt>