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## Jordan Litman, Ph.D.

Phone: +1 813-774-2230

Primary Email: [drjlitman@gmail.com](mailto:drjlitman@gmail.com)

Professional Website: <http://drjlitman.net/>

### Major Interests and Areas of Expertise

Epistemic curiosity and its relationship to knowledge-seeking and problem-solving behavior  
Health, stress & coping, and tendencies to seek or avoid information relevant to coping  
Interactions between personality, memory, emotion and motivation in self-directed learning  
Psychometrics, quasi-experimental design, factor analysis, path analysis, and SEM

### Scientific Impact

Scopus:  $h=17$ ; Publons/World of Science:  $h=16$  (approx. 95<sup>th</sup> percentile for career stage)

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### Education

August, 2000	Ph.D., Experimental Psychology, University of South Florida, Tampa, FL
July, 1998	M.A., Experimental Psychology, University of South Florida, Tampa, FL
July, 1994	B.A., Psychology, Arcadia University, Glenside, PA

### Appointments and Affiliations

#### Research

2017 - present	Research Fellow, Center for Curiosity, New York, NY.
2013 - present	Visiting Research Scientist, Institute for Human and Machine Cognition, Ocala, FL
2002 - 2013	Research Associate, Center for Research in Behavioral Medicine and Health Psychology, University of South Florida, Tampa, FL

#### Faculty

2015 - present	Associate Professor, University of Maine System, Machias, ME (part time)
2019 - present	Guest Professor, Indian Institute of Technology Gandhinagar
2018 - 2019	Visiting Professor, Indian Institute of Technology Gandhinagar
2003 - 2015	Assistant Professor, University of Maine at Machias, ME (part time)
2013 - present	Adjunct faculty, University of North Florida, Jacksonville, FL
2003 - present	Adjunct Professor, Saint Leo, University, Saint Leo, FL
2000 - 2002	Visiting Assistant Professor, University of South Florida, Tampa, FL
1996 - 2000	Graduate Teaching Assistant, University of South Florida, Tampa, FL

### Publications

#### Journal Articles

- Litman, J. A., Robinson, O. C., & Demetre, J. (2017). Intrapersonal curiosity: Inquisitiveness about the inner self. *Self and Identity*, 16, 231-250.
- Robinson, O. C., Demetre, J., & Litman, J. A. (2017). Adult life stage and crisis as predictors of curiosity and authenticity: Testing inferences from Erikson's lifespan theory. *International Journal of Behavioral Development*, 41, 426-431.
- Lauriola, M., Litman, J. A., Mussel, P., De Santis, R., Crowson, H.M., & Hoffman, R.R. (2015). Epistemic curiosity and self-regulation. *Personality and Individual Differences*, 83, 202-207.
- Piotrowski, J.T., Litman, J. A., & Valkenburg, P. (2014). Measuring epistemic curiosity in young children. *Infant and Child Development*, 23, 542-533.

### **Journal Articles (continued)**

- Han, C., Li, P., Warren, C., Feng, T., Litman, J., & Li, H. (2013). Electrophysiological evidence for the importance of interpersonal curiosity. *Brain Research*, *15*, 45-54.
- Litman, J. A. & Mussel, P. (2013). Development and validation of German translations of interest- and deprivation-type epistemic curiosity scales. *Journal of Individual Differences*, *34*, 59-68.
- Richards, J.B., Litman, J. A., & Roberts D.H. (2013). Performance characteristics of measurement instruments of epistemic curiosity in third-year medical students. *Medical Science Educator*, *23*, 355-363
- Mussel, P., Spengler, M., Litman, J. A., & Schuler, H. (2012). Development and validation of the German work-related curiosity scale. *European Journal of Psychological Assessment*, *28*, 109-117.
- Litman, J.A. (2010). Relationships between measures of I- and D-type curiosity, ambiguity tolerance, and need for closure: An initial test of the wanting-liking model of information-seeking. *Personality and Individual Differences*, *48*, 397-402.
- Litman, J.A., Crowson, H. M., & Kolinski, K. (2010). Validity of the interest- and deprivation-type epistemic curiosity distinction in non-students. *Personality and Individual Differences*, *49*, 531–536.
- Litman, J.A. & Lunsford, G.D. (2010). Incurious motives to seek information about potential threats. *European Journal of Personality*, *24*, 1–17.
- Litman, J. A., Huang, C., & Chang, H. (2009). The development of a Chinese version of the Attitudes Towards Gossip Scale. *Journal of Psychology in Chinese Societies*, *10*, 131–150.
- Litman, J. A., & Lunsford, G. D. (2009). Frequency of use and impact of coping strategies assessed by the COPE inventory and their relationships to post-event health and well-being. *Journal of Health Psychology*, *14*, 1-10.
- Litman, J.A. (2008). Interest and deprivation dimensions of epistemic curiosity. *Personality and Individual Differences*, *44*, 1585–1595.
- Litman, J.A. & Pezzo, M.V. (2007). Dimensionality of interpersonal curiosity. *Personality and Individual Differences*, *43*, 1448–1459.
- Litman, J.A. (2006). The COPE inventory: Dimensionality and relationships with approach- and avoidance-motives and positive and negative traits. *Personality and Individual Differences*, *41*, 273-284.
- Litman, J.A. & Silvia, P. J. (2006). The latent structure of trait curiosity: Evidence for interest and deprivation curiosity dimensions. *Journal of Personality Assessment*, *86*, 318-328.
- Pezzo, M.V., Litman, J.A., & Pezzo, S. P. (2006). On the distinction between yuppies and hippies: Individual differences in prediction biases for planning future tasks. *Personality and Individual Differences*, *41*, 1359-1371.

### **Journal Articles (continued)**

Litman, J.A. (2005). Curiosity and the pleasures of learning: Wanting and liking new information. *Cognition and Emotion, 19*, 793-814.

Litman, J.A., Collins, R.P., & Spielberger, C.D. (2005). The measurement of sensory curiosity. *Personality and Individual Differences, 39*, 1123-1133.

Litman, J.A., Hutchins, T.L., & Russon, R.K. (2005). Epistemic curiosity, feeling-of-knowing, and exploratory behaviour. *Cognition and Emotion, 19*, 559-582.

Litman, J.A. & Pezzo, M.V. (2005). Individual differences in attitudes towards gossip. *Personality and Individual Differences, 38*, 963-180.

Collins, R.P., Litman, J.A., & Spielberger, C.D. (2004). The measurement of perceptual curiosity. *Personality and Individual Differences, 36*, 1127-1141.

Litman, J.A., & Jimerson, T.L. (2004). The measurement of curiosity as a feeling-of-deprivation. *Journal of Personality Assessment, 82*, 147-157.

Litman, J.A., & Spielberger, C.D. (2003). Measuring epistemic curiosity and its diversive and specific components. *Journal of Personality Assessment, 80*, 75-86.

### **Book Chapters, Invited Journal Articles and Abstracts**

Litman, J.A. (2019). Curiosity: Nature, dimensionality, and determinants, In K.A. Renninger & S.E. Hidi (Eds.) *The Cambridge Handbook of Motivation and Learning*. (pp. 418-442). New York, Cambridge University Press.

Litman, J. A. (2017). Message Recipient Psychological Characteristics: Incurious and curious motives to learn about Health Risks. In: R. Parrot (Ed.) *Encyclopedia of Health and Risk Message Design and Processing*. New York: Oxford University Press.

Litman, J. A & Mussel, P. (2014). Cross cultural validity of the I/D epistemic curiosity model: Findings from three German samples [Abstract]. *Personality and Individual Differences, 60* S8. DOI: 10.1016/j.paid.2013.07.172

Piotrowski, J.T., Litman, J.A., & Valkenburg, P. (2014). The measurement of epistemic curiosity in young children [Abstract]. *Personality and Individual Differences, 60*, S8. DOI: 10.1016/j.paid.2013.07.173.

Litman, J. A. (2012). Epistemic curiosity. In: S. Norbert (Ed.) *Encyclopedia of the Sciences of Learning* (pp. 1162-1165). New York: Springer-Verlag.

Litman, J. A. & Pezzo, M. V. (2012). Interpersonal curiosity. In: S. Norbert (Ed.) *Encyclopedia of the Sciences of Learning* (pp. 1634-1635). New York: Springer-Verlag.

Pezzo, M.V. Litman, J. A., & Wilder, O. (2012). Planning. In: V.S. Ramachandran (Ed.) *The Encyclopedia of Human Behavior, vol. 3*, (pp. 119-125). Oxford: Academic Press.

### **Book Chapters, Invited Journal Articles and Abstracts (continued)**

Hoffman, R., Henderson, S., Moon, B., Moore, D.T., & Litman, J.A. (2011). Reflections on reflective thinking: Reasoning difficulty in analytical activity. *Theoretical Issues in Ergonomics Science*, 12, 225-240.

Litman, J.A. (2009). Curiosity and metacognition. In: C. B. Larson (Ed.) *Metacognition: New Research Developments*, pp. 105-116. Hauppauge, NY: Nova Science Publishers, Inc.

Litman, J.A. (2007). Curiosity as a feeling of interest and feeling of deprivation: The I/D model of curiosity. In: P. R. Zelick (Ed.) *Issues in the Psychology of Motivation*, pp. 149-156. Hauppauge, NY: Nova Science Publishers, Inc.

### **Manuscripts Submitted or in Preparation**

Day, E. Greene, H.H. Dauphin, B., Litman., J.A., Juvel, M., Boyle, M.A., Munday, C. (2019) Eye movement window on visual exploration: Individual differences in perceptual curiosity. Manuscript submitted for publication, University of Detroit Mercy, Detroit, IL.

Litman, J.A. & Pezzo, M.V. (2019). Short communication: Interpersonal curiosity and information-seeking behavior. Manuscript in preparation, Institute of Human and Machine Cognition Ocala, FL and University of South Florida, St. Petersburg, FL.

Litman, J. A., Lauriola, M., & Desantis, R (2019). Epistemic curiosity and ambiguity tolerance. Manuscript in preparation. Institute of Human and Machine Cognition, Ocala, FL and University of Rome, Sapienza.

Litman, J.A. (2019). Curiosity: The current state of the science. Manuscript in preparation, Institute of Human and Machine Cognition, Ocala, FL.

Litman, J. A., Cosentino, A. C., & Solano, A. C. (2019). Epistemic curiosity: A study of three Spanish speaking cultures. Manuscript in preparation. Institute of Human and Machine Cognition, Ocala, FL.

Litman, J. A., Solano, A. C., Cosentino, A. C., Mussel, P., Lauriola, M., & Huang, D. (2019). I- and D-type epistemic curiosity, cognitive processes and affective experiences across five languages and cultures. Manuscript in preparation. Institute of Human and Machine Cognition Ocala, FL.

Litman, J. A. & Zettler, I. (2019). Development and validation of measures for assessing I- and D-type epistemic curiosity in adolescents. Manuscript in preparation. Institute of Human and Machine Cognition, Ocala, FL.

### **Research in Progress (listed in order of progress made)**

Litman, J.A. & Russon, R.R. Improving and cultivating epistemic curiosity in learners.

Kaneko, M., Litman, J.A., & Ozaki, Y. Development and validation of Japanese interest and deprivation epistemic curiosity scales.

Sullivan, M. & Litman, J. A. Infant expressions of I- and D-type epistemic curiosity within the first two months of life.

### **Research in Progress (continued)**

- Litman, J. A & Hoffman, R.R. Systems curiosity: The engine that drives systems philosophy, theory development, and paradigm shifts.
- Litman, J. A, Robinson, O., & Demetre, J. Intrapersonal curiosity and mental health.
- Litman, J. A., Kapoor, H. Validation of a Hindi translation of the interest and deprivation . epistemic curiosity scales
- Litman, J. A., & Crowson, H. M. Development of a multi-dimensional epistemic curiosity inventory.
- Huang, D. & Litman, J. A. Development and validation of Chinese epistemic curiosity scales.
- Delsupexhe, A. & Litman, J. A. Relationships between epistemic curiosity, awe and insight.
- Hays, C., Litman, J. A., & Hafenstein, N. Epistemic curiosity and academic goal setting and achievement in children and adolescents.
- Litman, J. A., Arnold, M., & Pezzo, M. V. I- and D-type epistemic curiosity, metacognition, information-seeking and problem-solving.
- Litman, J. A. & Delsupexhe, A. Validation of a French translation of the I- and D-type epistemic curiosity scales.
- Litman, J. A. & Pezzo, M. V. The nature and assessment of morbid and lurid curiosity.
- Litman, J. A. & Piotrowski, J. Longitudinal study of the development of epistemic curiosity in children.
- Litman, J. A. & Shani, Y. Validation of I- and D-type epistemic curiosity scales in Hebrew and Arabic.

### **Professional Presentations, Invited Lectures, Symposia and Workshops**

- Litman, J.A. (2018, November). *Curiosity as feelings of interest and deprivation: Seeking the new and satisfying the drive to know*. Invited lecture conducted at the Exploring Curiosity conference, Amsterdam, Netherlands.
- Litman, J.A. (2018, April). Curiosity as feelings of interest and deprivation, In K.A. Renninger (Chair) & S.E. Hidi (Moderator). *Motivation and learning: What is provocative and/or novel?* Workshop conducted at the annual meeting of the AREA, New York, NY.
- Litman, J. A. (2017, July). *Individual differences in epistemic curiosity and self-regulation: At the intersection of cognition, emotion, and motivation*. In M. Gocłowska (Chair), *Passion for Knowledge: Emotional processes in the face of epistemic challenge*. Symposium conducted at the general meeting of the European Association of Social Psychology, Granada, Spain.
- Litman, J. A. (2016, May). *Epistemic Curiosity: Its role in the self-direction and self-regulation of learning and problem solving*. Invited lecture conducted at the University of Pennsylvania Imagination Institute Positive Psychology Center Colloquia Series, Philadelphia, PA.

### **Professional Presentations, Invited Lectures and Symposia (continued)**

- Robinson, O.C., Demetre, J., Litman, J.A., (2016, April). *Curiosity, adult life stage and crisis*. In M. Murray (Chair), *Ageing in place: Independence and communities*. Symposium conducted at the meeting of The British Psychological Society, Nottingham, UK.
- Litman, J.A. (2016, April). *Epistemic curiosity: Its role in self-directed learning, self-regulation creativity and problem solving*. Invited lecture conducted at the Learning & the Brain conference on the Science of Imagination, Orlando, FL.
- Robinson, O.C., Demetre, J., Litman, J.A., & Stock, J. (2015, July). *The changing pleasures of the new: Trait and state curiosity across the lifespan, preliminary findings*. Invited lecture conducted at the University of Greenwich, London, UK.
- Litman, J. A. (2015, July). *Interpersonal curiosity (IPC) and event related potentials (ERP): Evidence that desire to reduce uncertainty underlies IPC in the brain*. In L. Kaltwasser & A. Hildebrandt (Chairs), *Typical and maximal interpersonal behavior and event related brain potentials and their correlates*. Symposium conducted at the meeting of the International Society for the Scientific Study of Individual Differences, London, Canada.
- Litman, J. A. (2014, July). *The I/D epistemic curiosity distinction, intellectual development and learning over the lifespan*. In A. Scheuer (Chair), *Openness to experience as a protective factor for cognitive ageing*. Symposium conducted at the meeting of the European Conference on Personality, Lausanne, Switzerland.
- Litman, J. A (2013, November). *Curiosity and the pleasures of learning: The I/D epistemic curiosity model and its implications for positive psychology*. Invited lecture conducted at the meeting of the International Positive Psychology Association, Buenos Aires, Argentina.
- Litman, J. A (2013, October). *Epistemic curiosity and its role in knowledge seeking and problem solving*. Invited lecture conducted at the Institute for Human and Machine Cognition, Ocala, FL
- Litman, J. A & Mussel, P. (2013, July). *Cross cultural validity of the I/D epistemic curiosity model: Findings from three German samples*. In A. Strobel (Chair), *Epistemic curiosity and need for cognition: Assessment and correlates*. Symposium conducted at the meeting of the International Society for the Study of Individual Differences, Barcelona, Spain.
- Piotrowski, J.T., Litman, J.A., & Valkenburg, P. (2013, July). *The measurement of epistemic curiosity in young children*. In A. Strobel (Chair), *Epistemic curiosity and need for cognition: Assessment and correlates*. Symposium conducted at the meeting of the International Society for the Study of Individual Differences, Barcelona, Spain.
- Litman, J. A. (2012, July) *Curiosity types and learning goals in academic and workplace settings*. In S. Von Strum (Chair), *Cognitive investment and engagement: Mechanisms, development, and life outcomes*. Symposium conducted at the meeting of the European Conference on Personality, Trieste, Italy
- Pezzo, M.V., Litman, J.A., & Pezzo, S.P. (2006, January.) *Yuppies and hippies: Individual differences in the planning fallacy*. Abstract and poster presented at the meeting of the Society for Personality and Social Psychology, Palm Springs, CA

### **Professional Presentations, Invited Lectures and Symposia (continued)**

Pezzo, M.V., McDougal, S., & Litman, J.A. (2004, January). *The psychology of taking offense:*

*A sense-making model.* Abstract and poster presented at meeting of the Society for Personality and Social Psychology, Austin, TX.

Musante, L. & Litman, J. A. (2003, March). *Effects of relationship characteristics on perceptions of oral-genital contact.* Abstract and poster presented at the meeting of South Eastern Psychological Association, New Orleans, LA.

### **Grant Proposals and Funding Awarded**

Center for Curiosity, 2017-2021 Grant: *Improving Curiosity Assessment and Cultivating Curiosity in learners* (\$88,375, awarded).

DARPA, 2017–2021 Grant: *Explainable Artificial Intelligence*, with R. Hoffman at IHMC, and in partnership with Michigan Technological University and Macro-Cognition, LLC. (\$5,000, awarded).

Air Force Research Laboratory, 2018-2020, Grant: *Maturing and Evaluating a Concept Mapping-Software Tool for Mental Model Comparison*, with B. Moon, (\$15,000, awarded).

Center for Curriculum Redesign, 2017 Grant: *Improving Curiosity Evaluation & Measurement* (\$25,000, awarded).

Reimagine Education, 2016 Cultivating Curiosity, Gold Award: *Measuring and Enhancing Epistemic Curiosity: Facilitating Self-directed Knowledge Seeking and Problem Solving* (\$7,000, awarded).

Macmillan Science and Education, 2016 Research Grant: *The changing pleasures of the new: Trait and state curiosity across the lifespan.* Co-PI with O. C. Robinson & J. Demetre (\$10,143, awarded).

University of Pennsylvania, 2016 Imagination Institute Honorarium (\$670, awarded).

Learning and the Brain, 2016 Conference Honorarium (\$500, awarded)

Saint Leo University, 2013-2015 Professional Development Funding Grants (\$4,200, awarded)

University of Palermo, 2013 Positive Psychology Grant (\$3,500, awarded)

University of South Florida, 2012 Faculty International Travel Grant (\$2,446, awarded)

Martin Seligman Research Alliance, 2003 Positive Psychology Microgrant (\$2,000, awarded)

National Science Foundation: *The role of epistemic curiosity in reasoning about indeterminate causality*, Co-PI with R. R. Hoffman (\$367,003, in development)

### Theses

Litman, J. A. (2000). Construct and predictive validity of measures of epistemic and perceptual curiosity. Unpublished doctoral dissertation, University of South Florida, Tampa.

Litman, J. A. (1999). Curiosity and information seeking. Unpublished major area paper, University of South Florida, Tampa.

Litman, J. A. (1998) Theory and assessment of epistemic curiosity: Development of an experimental epistemic curiosity scale. Unpublished master's thesis, University of South Florida, Tampa.

### Media Interviews

Price, L. (2016, September, 7). Curiosity is the key to happiness. *Over Sixty*. Retrieved on December 5 from <http://www.oversixty.co.nz/health/mind/2016/09/curiosity-is-the-key-to-happiness/>

Hook, J. (2016, July 21). How to Be More Curious: Ask the Experts. *Joshua Hook: Your Life to the Full*. Retrieved December 5, 2016, from <http://www.joshuanhook.com/curious-ask-experts/>

British Psychological Society. (2016, April 27). Increased curiosity is the 'silver lining' of a quarter life and midlife crisis. *Medical News Today* Retrieved April 29, 2016 from <http://www.medicalnewstoday.com/releases/309633.php>

Shonstrom, E. (2016, Feb 9). Sensory curiosity: the key to a child's exploration of the natural world. *Children and Nature Network*. Retrieved December 5, 2016, from <http://www.childrenandnature.org/2016/02/09/sensory-curiosity-the-key-to-a-childs-exploration-of-the-natural-world/>

Rodriguez, T. (2016, February 2). Research says the key to happiness is a healthy sense of curiosity. *Woman's Day*. Retrieved March 24, 2016, from <http://www.womansday.com/health-fitness/wellness/a53601/curiosity-is-the-key-to-health-and-happiness/>

Pappas, S. (2011, December 30). The new year's resolution we should be making. *Livescience.com*. Retrieved January 3, 2012, from <http://www.livescience.com/17688-years-hidden-weaknesses.html>

Abate, J.C. (2010, December 18). Conozca el lado oscuro de la curiosidad (Meet the dark side of curiosity). *La Tercera*, 620, 17-22

Pappas, S. (2010, December 12). Curiosity's evil twin can drive you insane. *Livescience.com*. Retrieved August 16, 2011, from <http://www.livescience.com/10866-curiosity-evil-twin-drive-insane.html>

Subramanian, S. (2010, July/August). Field guide to the snoop: Peek hours. What makes a neighbor nosy? *Psychology Today*, 43, 32-33.

Vidican, S. (2010, December 13). Why so curious? *Metrolic.com*. Retrieved March 18, 2013, from <http://www.metrolic.com/why-so-curious-152147/>

Vieru, T. (2010, December 13). Curiosity Has a 'Dark' Twin. *Softpedia.com*. Retrieved December 21, 2013 from <http://news.softpedia.com/news/Curiosity-Has-a-Dark-Twin-172154.shtml>



### **Scientific Peer Review**

Editorial Board, *Revista Psicodebate: Psicología, Cultura y Sociedad (Psychology, Culture & Society)*

Reviewer of abstracts for symposia, Division 5 of the APA, 2005-2008

*Academic Medicine*

*Cognition and Emotion*

*Discourse Processes*

*European Journal of Personality*

*Evolution and Human Behavior*

*International Journal of Bilingual Education and Bilingualism*

*Journal of Affective Disorders*

*Journal of Behavior Therapy and Experimental Psychiatry*

*Journal of Experimental Psychology: General*

*Journal of Health Psychology*

*Journal of Personality Assessment*

*Learning and Instruction*

*Motivation and Emotion*

*Personal Relationships*

*Personality and Individual Differences*

*Personality and Social Psychology Review*

*Social and Personality Psychology Compass*

*Social Psychological and Personality Science*

### **Courses Taught**

Cognitive Psychology

Health Psychology/Stress Management

Introductory Psychology

Lifespan Development/Developmental Psychology

Motivation/ Sport Psychology

Personality

Philosophy of Science

Psychological Tests and Measures

Psychology of Curiosity (special topics seminar)

Research Methods

Sensation and Perception

Social Psychology

### **Departmental Service & Professional Memberships**

Coordinator & Acting Chair, Undergraduate Psychology Program Committee, USF (2000-2002)

Member, Executive Committee for the University of South Florida, Tampa, FL (2000-2002)

British Personality Society

Society for Personality Assessment

Society for Personality and Social Psychology

Evaluation, Measurement, and Statistics

Society for the Psychology of Aesthetics, Creativity and the Arts

## **Professional References**

Robert Hoffman, Ph.D., Senior Research Scientist  
Institute for Human and Machine Cognition  
Pensacola, FL 32502-6008  
Phone: 850-202-4418  
Email: rhoffman@ihmc.us

Lois-Ann Kuntz, Ph.D.  
Psychology & Community Studies Program Coordinator  
University of Maine at Machias  
Machias, ME 04654  
Phone: 207-255-1244  
Email: lkuntz@maine.edu

Kay Kimball, Ph.D.  
University of Maine at Machias  
Assistant Provost for Academic Services  
Machias, ME 04654  
Phone: 207-255-1262  
Email: kkimball@maine.edu

Tiffany L. Hutchins, Ph.D.  
University of Vermont  
Psychology and Communication Sciences  
Burlington, VT 05405  
Phone: 802-656-9592  
Email: Tiffany.Hutchins@med.uvm.edu