

Curriculum Vitae

**NIA M. DOWELL**

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School of Information and Academic Innovation  
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**EDUCATION & EXPERIENCE**

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2017 – present	Postdoctoral Research Investigator/ Fellow School of Information and Digital Innovation Greenhouse University of Michigan Advised by Timothy McKay & Christopher Brooks
2011 – 2017	Ph.D. in Cognitive Psychology with Cognitive Science Certificate The University of Memphis & Institute for Intelligent Systems Advised by Arthur Graesser Dissertation: <i>A Computational Linguistic Analysis of Learners' Discourse in Computer-Mediated Group Learning Environments</i>
2004 – 2009	B.A. in Psychology The University of Memphis Honors in Psychology

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**HONORS/AWARDS**

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2016	Experimental Psychology Program Director's Award
2014 – 2015	National Science Foundation Travel Award
2014	Invited Studentship: Oxford University, Center for Educational Assessment
2014	Winner of the Hermann Textual Analysis Award
2012 – 2017	University of Memphis Graduate Fellowship Recipient
2011	National Science Foundation Travel Award
2011 – 2016	Institute for Intelligent Systems Travel Award
2011 – 2015	Institute for Intelligent Systems Graduate Assistantship

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## PROFESSIONAL HISTORY

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October 2014 – November 2014	Invited Studentship University of Oxford Center for Educational Assessment (OUCEA) PI: Jo-Anne Baird
August 2014 – 2017	Graduate Research Assistant Grant: Political Crisis and Language: A Computational Assessment of Social Disequilibrium and Security Threats. PI: Leah Windsor & Art Graesser Institute for Intelligent Systems The University of Memphis
June 2013 – 2016	Discourse Processing and Text Analytics Consultant for Coh-Metrix FedEx Institute for Technology The University of Memphis
January 2010 – June 2014	Graduate Research Assistant Grant: Modeling Discourse and Social Disequilibrium in Authoritarian Regimes. PI: Art Graesser Institute for Intelligent Systems The University of Memphis
January 2010 – August 2011	Graduate Research Assistant Grant: Inducing, Tracking, and Regulating Confusion and Cognitive Disequilibrium During Complex Learning. PI: Art Graesser Institute for Intelligent Systems The University of Memphis
July 2006 – January 2011	Undergraduate Research Assistant Psychotherapy Research Lab PI: Jeffrey Berman The University of Memphis

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## TEXT ANALYSIS CONSULTING

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2015 – 2016	Learning Innovation and Networked Knowledge Research Lab
2015	FedEx
2015- 2017	Texas Teacher Quality
2014	Columbia University

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**JOURNAL PUBLICATIONS (h-index 11)**

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- Dowell, N. M.**, Nixon, T., & Graesser, A. C. (in press). Group communication analysis: A computational linguistics approach for detecting socio cognitive roles in multi-party interactions. *Behavior Research Methods*. doi:10.3758/s13428-018-1102-z
- Joksimović, S., **Dowell, N. M.**, Gašević, D., Mirriahi, N., Dawson, S., & Graesser, A. C. (in press). Linguistic characteristics of reflective states in video annotations under different instructional conditions. *Computers in Human Behavior*. doi: 10.1016/j.chb.2018.03.003
- Joksimović, S., **Dowell, N. M.**, Poquet, O., Kovanović, V., Gašević, D., Dawson, S., & Graesser, A. C. (2018). Exploring development of social capital in a CMOOC through language and discourse. *The Internet and Higher Education*, 36, 54 – 64. doi: 10.1016/j.iheduc.2017.09.004
- Joksimović, S., Poquet, O., Kovanović, V., **Dowell, N. M.**, Mills, C., Gašević, D., Dawson, S., Graesser, A., & Brooks, C. (2017). How do we model learning at scale? A systematic review of research on MOOCs. *Review of Educational Research*, 88(1), 43 – 86. doi: 10.3102/0034654317740335
- Windsor, L. C., **Dowell, N. M.**, Windsor, A., Kaltner, J., & Graesser, A. C. (2017). Leader language and survival strategies in the Arab Spring. *International Interactions*, 44(2), 321 – 336. doi: 10.1080/03050629.2017.1345737
- Dowell, N. M.**, Graesser, A. C., & Cai, Z. (2016). Language and discourse analysis with Coh-Matrix: Applications from educational material to learning environments at scale. *Journal of Learning Analytics*, 3(3), 72 – 95. doi: 10.18608/jla.2016.33.5
- Rubin, D. C., Deffler, S. A., Ogle, C. M., **Dowell, N. M.**, & Graesser, A. C. (2016). Participant, rater, and computer measures of coherence in posttraumatic stress disorder. *Journal of Abnormal Psychology*, 125(1), 11-25.
- Dowell, N. M.**, & Graesser, A. C. (2015). Modeling learners' cognitive, affective, and social processes through language and discourse. *Journal of Learning Analytics*, 1(3), 183-186.
- Dowell, N. M.**, Windsor, L., & Graesser, A. (2015). Computational linguistics analysis of leaders during crises in authoritarian regimes. *Dynamics of Asymmetrical Conflict*, 8(3), 1-12. doi: 10.1080/17467586.2015.1038286
- Windsor, L., **Dowell, N. M.**, & Graesser, A. (2014) The language of autocrats: Leaders' language in natural crises. *Risk, Hazards & Crisis in Public Policy*, 5(4), 446-467. doi: 10.1002/rhc3.12068
- D'Mello, S. K., **Dowell, N. M.**, & Graesser, A. C. (2013). Unimodal and multimodal human perception of naturalistic non-basic affective states during human-computer interactions. *IEEE Transactions on Affective Computing*, 4(4), 452-465. doi:10.1109/T-AFFC.2013.19
- Dowell, N. M.**, & Berman, J. (2013). Therapist nonverbal behavior and perceptions of empathy, therapeutic alliance, and treatment credibility. *Journal of Psychotherapy Integration* 23(2), 158-165. doi: 10.1037/a0031421
- D'Mello, S. K., **Dowell, N. M.**, & Graesser, A. C. (2011). Does it really matter whether students' contributions are spoken versus typed in an intelligent tutoring system with natural language? *Journal of Experimental Psychology: Applied*, 17(1), 1-17. doi:10.1037/a0022674
- Graesser, A. C., **Dowell, N.**, & Moldovan, C. (2011). A computer's understanding of literature. *Scientific Studies of Literature*, 1(1), 24-33. doi:10.1075/ssol.1.1.03gra
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## BOOK CHAPTERS

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- Hu, X., **Dowell, N. M.**, Zhiqiang, C., Graesser, A. C., Shi, G., Cockroft, J., & Shorter, P. (2018). Constructing Individual Conversation Characteristics Curves (ICCC) for Interactive Intelligent Tutoring Environments (IITE). In R. Sottolare (Ed.), *Design recommendations for intelligent tutoring systems* (Team Learning and Task work, Vol. 6, pp. 133–144). Orlando, FL: Army Research Laboratory.
- Graesser, A. C., **Dowell, N. M.**, Hampton, A., Lippert, A., Li, H., & Shaffer, D. W. (2018). Building intelligent conversational tutors and mentors for team collaborative problem solving: Lessons from the 2015 program for international student assessment. In J. Johnston, R. Sottolare, A. Sinatra, & S. Burke (Eds.), *Building intelligent tutoring systems for teams: What matters (Research on Managing Groups and Teams)* (pp. 173–211). England, U.K.: Emerald.
- Graesser, A. C., **Dowell, N. M.**, & Clewley, D. (2017). Assessing collaborative problem solving through conversational agents. In A. Von Davier, M. Zhu, & P. C. Kyllonen (Eds.), *Innovative assessment of collaboration* (pp. 65–80). Springer. Princeton, NJ.
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## PUBLISHED CONFERENCE PROCEEDINGS (REVIEWED)

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- Brooks, C., Davis, D., **Dowell, N. M.**, Gardner, J., Necamp, T., Poquet, O., Kizilcec, R., & Williams, J. (in press). Diving in to educational experiments: Process, evaluation, and reasoning in support of learning (DEEPER Support of Learning). In D. Azcona & R. Chung (Eds.), *Proceedings of the 9th International Conference for Learning Analytics & Knowledge* (pp. xx–xx). Temple, AZ: ACM.
- Choi, H., **Dowell, N. M.**, Brooks, C., & Teasley, S. D. (in press). Social comparison in MOOCs: Perceived SES, opinion, and message formality. In D. Azcona & R. Chung (Eds.), *Proceedings of the 9th International Conference for Learning Analytics & Knowledge* (pp. xx–xx). Temple, AZ: ACM.
- Lin, Y., **Dowell, N. M.**, Godfrey, A., Cho, H., & Brooks, C. (in press). Modeling gender differences in intra- and interpersonal dynamics during collaborative interactions. In . In proceedings of the 9th international conference on Learning Analytics and Knowledge (pp. xx–xx). Temple, AZ.
- Yan, W., **Dowell, N. M.**, Holman, C., Welsh, S., Cho, H., & Brooks, C. (in press). Exploring learner engagement patterns in Teach-Outs: Using topic, sentiment and on-topiciness to reflect on pedagogy. In D. Azcona & R. Chung (Eds.), *Proceedings of the 9th International Conference for Learning Analytics & Knowledge* (pp. xx–xx). Temple, AZ: ACM.
- Choi, H., **Dowell, N. M.**, & Brooks, C. (2018). Social comparison theory as applied to MOOC student writing: Constructs for opinion and ability. In J. Kay & R. Luckin (Eds.), *Proceedings of the 13th International Conference for the Learning Sciences* (pp. xx–xx). London, England: ACM.
- Dowell, N. M.**, Poquet, O., & Brooks, C. (2018). Applying group communication analysis to educational discourse interactions at scale. In J. Kay & R. Luckin (Eds.), *Proceedings of the of the 13th International Conference on the Learning Sciences* (pp. 1815–1822). London, England. [**Crossover paper**]
- Hu, J., **Dowell, N. M.**, & Brooks, C., & Yan, W. (2018). Temporal changes in affiliation and emotion in MOOC discussion forum discourse. In C. P. Rose, R. Martínez-Maldonado, & H. U. Hoppe (Eds.), *Proceedings of 19th International Conference on Artificial Intelligence in Education* (pp. 145–149). London, England: Springer-Verlag.
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- Long, Z., Gao, H., **Dowell, N. M.**, Yanf, L. & Hu, X., (2018). Impact of rejection sensitivity on socio-cognitive conflict learning in intelligent tutoring system environments. In , A. Sinatra, & J. DeFalco (Eds.), *Proceedings of the Assessment and Intervention during Team Tutoring Workshop* (pp. 17–27). London, England: Springer-Verlag.
- Poquet, O., **Dowell, N. M.**, Brooks, C., & Dawson, S. (2018). Are MOOC forums changing? In A. Pardo, K. Bartimote-Aufflick, B. Fuz, & G. Lynch (Eds.), *Proceedings of the 8th International Conference on Learning Analytics and Knowledge* (pp. 340–349). New York, NY, USA: ACM.
- Cai, Z., Eagen, B., **Dowell, N. M.**, Pennebaker, J. W., & Graesser, A. C. (2017). Epistemic network analysis and topic modeling for chat data from collaborative learning environment. In X. Hu, T. Barnes, A. Hershkovitz, & L. Paquette (Ed.), *Proceeding of the 10th International Conference on Educational Data Mining* (pp. 104–111). Wuhan, China: International Educational Data Mining Society.
- Dowell, N. M.**, Brooks, C., Kovanović, V., Joksimović, S., & Gašević, D. (2017). The changing patterns of MOOC discourse. In C. Urrea, J. Reich, & C. Thille (Eds.), *Proceedings of the Fourth (2017) ACM Conference on Learning @ Scale*. Cambridge, M.A.: ACM
- Poquet, O., Dawson, S., & **Dowell, N. M.** (2017). How effective is your facilitation? Group level analytics of MOOC forums. In A. Wise, P. Winnie, & Lynch (Ed.), *Proceedings of the 7th International Conference on Learning Analytics and Knowledge* (pp. 238–248). New York, NY, USA: ACM.
- Nixon, T., & **Dowell, N. M.** (2016). Coh-Metrix in the cloud: lessons from implementing a web-scale text analytics platform. In R. Ferguson, M. Sharkey, & N. Mirriahi (Eds.), *Practitioner Track Proceedings of the 6th International Learning Analytics & Knowledge Conference (LAK16)* (pp. 45–46). New York, NY, USA:ACM.
- Dowell, N. M.**, Skrypnik, O., Joksimović, S., Graesser, A. C., Dawson, S., Gašević, S., Hennis, T., de Vries, P., & Kovanović, V. (2015). Modeling learners’ social centrality and performance through language and discourse. In C. Romero & M. Pechenizkiy (Eds.), *Proceedings of the 8th International Conference on Educational Data Mining* (pp. 250-257). International Educational Data Mining Society.
- Joksimović, S., **Dowell, N. M.**, Oleksandra, S., Kovanović, V., Gašević, D., Dawson, S., & Graesser, A. C. (2015). How do you connect? Analysis of social capital accumulation in connectivist MOOCs. In J. Baron, & G. Lynch (Eds.), *Proceedings of the 5th International Conference on Learning Analytics and Knowledge* (pp. 64-68). New York: ACM.
- Cade, W. L., **Dowell, N. M.**, Tausczik, Y. R., Pennebaker, J. W., & Graesser, A. C. (2014). Modeling students socioaffective responses to group interactions in a collaborative online chat environment. In J. Stamper, Z. Pardos, M. Mavrikis, B. M. McLaren (Eds.), *Proceedings of the 7th International Conference on Educational Data Mining* (pp. 399-400). Worcester, MA: International Educational Data Mining Society.
- Dowell, N. M.**, Cade, W. L., Tausczik, Y. R., Pennebaker, J. W., & Graesser, A. C. (2014). What works: Creating adaptive and intelligent systems for collaborative learning support. In S. Trausan-Matu, K. E., Boyer, M. Crosby, & K. Panourgia (Eds.), *Proceedings of the 12th International Conference on Intelligent Tutoring Systems* (pp. 124 - 133). Berlin: Springer.
- Duan, Y., **Dowell, N. M.**, Graesser, A. C., & Li, H. (2014). Linguistic style and social historical context: An automated linguistic analysis of Mao Zedong’s speeches. In W.
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- Eberle & C. Boonthum-Denecke (Eds.) *Proceedings of 27th Florida Artificial Intelligence Research Society Conference* (pp. 43-46). Menlo Park, CA: AAAI Press.
- Dowell, N. M.**, D’Mello, S. K., Mills, C., & Graesser, A. C. (2011). Does topic matter? Topic influences on linguistic and rubric-based evaluation of writing. In G. Biswas, S. Bull, J. Kay, & A. Mitrovic (Eds.), *Proceedings of 15th International Conference on Artificial Intelligence in Education* (pp. 450–452). Berlin, Germany: Springer-Verlag.
- D’Mello, S. K., **Dowell, N. M.**, & Graesser, A. C. (2009). Cohesion relationships in tutorial dialogue as predictors of affective states. In V. Dimitrova, R. Mizoguchi, B. Du Boulay, & A. C. Graesser (Eds.), *Artificial Intelligence in Education: Building Learning Systems that Care: From Knowledge Representation to Affective Modeling* (pp. 9-16). Amsterdam, Netherlands: IOS Press.
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## INVITED PRESENTATIONS

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- Dowell, N. M.** (2018, October). *Group Communication Analysis: Applications for online learning environments*. Invited talk presented at Monash University, Melbourne, Australia.
- Dowell, N. M.** (2018, October). *Many faces of social identity: Detecting emergent roles in online interactions with group communication analysis*. Invited talk presented at University of Southern Australia, Adelaide, Australia.
- Dowell, N. M.** (2018, August). *Detecting emergent roles in online interactions with group communication analysis*. Invited talk presented at Educational Testing Service, Princeton, New Jersey.
- Dowell, N. M.** (2018, May). *Detecting emergent roles in online interactions with group communication analysis*. Invited talk presented at the International Conference on Mathematics and Statistics. FedEx Institute of Technology, University of Memphis.
- Dowell, N. M.** (2018, January). *Group communication analysis: A computational linguistics approach for detecting sociocognitive roles in multi-party interactions*. Invited talk presented at the Learning Innovation and Networked Knowledge Research Lab, Arlington, Texas.
- Dowell, N. M.** (2017, October). *Group communication analysis: A computational linguistics approach for detecting sociocognitive roles in multi-party interactions*. Invited talk presented at the Cognitive Science Seminar, University of Memphis, Memphis, TN.
- Poquet, O., & **Dowell, N. M.** (2017, June). *Statistical analysis of interdependent observations in learning environments: Exponential random graph modelling (ERGM)*. Invited Tutorial presented at Learning Analytics Summer Institutes (LASI 2014), Ann Arbor, MI.
- Dowell, N. M.** (2016, October). *Group communication analysis: A computational-linguistic framework for exploring conversational roles in online multi-party communication*. Invited talk presented at the University of Michigan, Ann Arbor, MI.
- Dowell, N. M.**, (2016, March). *Modeling discourse and social dynamics of successful collaborative interactions*. Invited talk presented at the University of Southern Australia, Adelaide, Australia.
- Dowell, N. M.** (2016, April). *Computational discourse science: Applications for emerging learning environments*. Invited talk presented at the University of Michigan, Ann Arbor, MI.
- Dowell, N. M.** (2015, July). *Computational discourse science with Coh-Matrix*. Invited workshop presented at the Learning Innovation and Networked Knowledge Research Lab, Arlington, Texas.

- Dowell, N. M., Cai, Z., & Graesser, A. C.** (2014, July). *Analyzing language and discourse with Coh-Matrix*. Invited Workshop presented at 2nd Learning Analytics Summer Institutes (LASI 2014), Cambridge, MA.
- Dowell, N. M.** (2014, October). *What language reveals about you: Modeling learners' cognitive and social dynamics using Coh-Matrix*. Invited talk presented at the University of Oxford, Oxford, England.
- Dowell, N. M.** (2014, October). *Modeling discourse and social dynamics in authoritarian regimes*. Invited talk presented for University of Lancaster, Lancaster, England.
- Dowell, N. M.** (2011, May). *Language and political crisis*. Invited talk presented for Federal Bureau of Investigation, Memphis, TN.
- Dowell, N. M.** (2010, June). *Language and discourse in education*. Invited talk presented for Pearson Education, Memphis, TN.
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## CONFERENCE PRESENTATIONS

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- Dowell, N. M.** (2018, November). *Modeling Sociocognitive Identity in Online Interactions: A Group Communication Analysis Approach*. Paper presented at the 59th annual meeting for Psychonomic Society, New Orleans, US.
- Dowell, N. M., Brooks, C., & Poquet, O.** (2018, November). *Digital Traces Of Identity in Online Discourse: Detecting Socio-Cognitive Roles with Group Communication Analysis*. Paper presented at the 48th annual meeting of the Society for Computers in Psychology, New Orleans, US.
- Mills, C., Smith, G. K., **Dowell, N. M.,** Ghattan, S., & Christoff, K. (2018, November). *How do the Contents of a Wandering Mind Unfold Over Time? An Automated Computational Linguistic Approach*. Paper presented at the 59th Annual Meeting for Psychonomic Society, New Orleans, US.
- Dowell, N. M. & Brooks, C.** (2018, July). *Many faces of social identity: Detecting emergent roles in online interactions with group communication analysis*. Paper presented at the Society for Text and Discourse, Brighton, UK.
- Mills, C. & **Dowell, N. M.** (2018, July). *Using Automated Measures of Cohesion to Assess the Wandering Mind: A Think-Aloud Study*. Paper presented at the Society for Text and Discourse, Brighton, UK.
- Poquet, O., **Dowell, N. M.,** Brooks, C., Dawson, S. (2017, November). *Changing Patterns of MOOC In-course Communication*. Presented at the Second Australian Social Network Analysis Conference (ASNAC 2017).
- Dowell, N. M., Nixon, T., Cai, Z., & Graesser, A. C.** (2016, November). *Group communication analysis: A computational-linguistic framework for exploring conversational roles in online multi-party communication*. Paper presented at the 46th annual meeting of the Society for Computers in Psychology, Boston, MA.
- Dowell, N. M., & Graesser, A. C.** (2015, April). *50 years of text complexity: A Coh-Matrix assessment of changes in first-grade texts over time*. Paper presented at the American Educational Research Association Conference. Chicago, Illinois.
- Dowell, N. M., Windsor, L., Germany, M., Iacobelli, F., & Graesser, A. C.** (2015, July). *The partisan divide: A computational linguistic analysis of bias in the senate*. Paper presented at the Society for Text and Discourse, Minneapolis, MN.
- Cai, Z., **Dowell, N. M.,** Li, H., & Graesser, A. C. (2015, November). *Age of acquisition: How do you remember what words you learned at age one?* Paper presented at the 45th annual meeting of the Society for Computers in Psychology, Chicago, IL.

- Windsor, L., **Dowell, N. M.**, & Graesser, A. C. (2015, April) *Leaders' language in the Arab Spring: Using text analysis to explain variation in political outcomes*. Arab Spring in Global Context, Iowa City, Iowa.
- Windsor, L., **Dowell, N. M.**, & Graesser, A. C. (2014, November) *Socio-Political and linguistic cohesion*. Midwest International Studies Association, St. Louis, MO.  
**[Winner of the Hermann Textual Analysis Award]**
- Dowell, N. M.**, Windsor, L., Wang, J., Mintz, L., Myers, J. Beaver, D., Hu, X., & Graesser, A. C. (2013, May). *The evolution of revolution: Temporal dynamics of social cohesion and casualties during the Syrian Revolution*. Poster presented at Institute for Intelligent Systems Student Research Fair, Memphis, TN.
- Duan, Y., **Dowell, N. M.**, Myers, J., Li, H., & Graesser, A. C. (2013, May). *Leadership is influenced by social context: Relationships between the cohesion of Mao Zedong's speeches and the social-historical context of China*. Poster presented at Institute for Intelligent Systems Student Research Fair, Memphis, TN.
- Myers, J., **Dowell, N. M.**, Mintz, L., & Graesser, A. C. (2013, May). *Analysis of linguistic features of U.S. political discourse: Presidential corpus*. Poster presented at Institute for Intelligent Systems Student Research Fair, Memphis, TN
- Windsor, L., **Dowell, N. M.**, Li, H., Myers, J., & Graesser, A. C. (2013, April). *The language of autocrats: Leadership through natural disasters*. Paper presented at the 71<sup>st</sup> Annual Midwest Political Science Association Conference, Chicago, IL.
- Dowell, N. M.**, Germany, M., Myers, J., & Graesser, A. C. (2012, June). *Enduring leaders and their persuasive strategies*. Paper presented at the Society for Text and Discourse, Old Montréal, Canada.
- Deffler, S. A., Ogle, C. M., **Dowell, N. M.**, Graesser, A. C., & Rubin, D. C. (2012, July). *Life narratives of adults with and without PTSD: Preliminary findings*. Paper presented at the Emory Cognition Project Symposium on Mental Time Travel, Atlanta, GA.
- Deffler, S. A., Ogle, C. M., **Dowell, N. M.**, Graesser, A. C., & Rubin, D. C. (2011, July). *Measures of coherence in life narratives of adults with and without PTSD*. Paper presented at the Emory Cognition Project Symposium on Mental Time Travel, Atlanta, GA.
- Dowell, N. M.**, Duan, Y., Cai, Z., Hu, X., Louwarse, M., & Graesser, A. C. (2011, July). *A linguistic analysis of Fidel Castro's speeches before and after crisis*. Paper presented at the Society for Text and Discourse, Poitiers, France.
- Dowell, N. M.**, D'Mello, S. K., Mills, C. S., & Graesser, A. C. (2011, July). *Topic effects on linguistic and rubric-based writing evaluation*. Paper presented at the Society for Text and Discourse, Poitiers, France.
- Hancock, J., Beaver, D., Pennebaker, J., Graesser, A. C., **Dowell, N. M.**, Keshtar, F., & Liu, X. (2011, September). *Discourse and social dynamics in the Arab Spring*. Paper presented at the Second Annual Minerva Conference, Washington, DC.
- Dowell, N. M.**, Liu, H., Cai, Z., Hu, X., Louwarse, M., & Graesser, A. C. (2010, July). *Linguistic and discourse variation in Chairman Mao Zedong's speeches*. Paper presented at the Society for Text and Discourse, Chicago, IL.
- Graesser, A. C., Cai, Z., & **Dowell, N. M.** (2010, January). *The computational foundations of language arts*. Paper presented at the 23<sup>rd</sup> International Society for the Empirical Study of Literature, Utrecht, Netherlands.
- Dowell, N. M.**, & Berman, J. (2009, July). *The effect of therapist nonverbal behaviors on client perceptions*. Poster presented at the National Conference for Undergraduate Research, Lacrosse, WI.
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## PROFESSIONAL ORGANIZATIONS

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2014 – present	American Educational Research Association
2014 – present	Society for Learning Analytics Research
2013 – present	Association for Psychological Science (APS)
2012 – present	International Artificial Intelligence in Education Society (AIED)
2012 – present	International Educational Data Mining Society (EDM)
2012 – present	The American Psychological Association (APA)
2012 – present	The American Psychological Association for Graduate Students (APAGS)
2012 – present	Federation of Associations in Behavioral & Brain Sciences (FABBS)
2010 – present	Institute for Intelligent Systems Student Organization
2010 – present	Society for Text and Discourse

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## PROFESSIONAL SERVICE & TRAINING

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2018 – present	Advisory Board Member Centre for Change and Complexity in Learning
2015 – present	Reviewer: <i>Computers in Human Behavior</i> , <i>Computers &amp; Education</i> , <i>Journal of Learning Analytics</i> , <i>Journal of Educational Data Mining</i> , <i>Discourse Processes</i>
2017	Guest Editor, <i>International Journal of Artificial Intelligence in Education</i>
2016	Research Consultant, School of Information, University of Michigan
2016	Poster and Demonstrations Co-Chair, International Conference on Learning Analytics and Knowledge
2015	BBC Educational Discourse Workshop: University of Michigan, Ann Arbor
2015	Text Analysis: Conflict Records Research Center (CRRC)
2015	Data Expert at BBC Deep Multimodal Data Jam
2014	Program Committee Co-Chair: ITS 2014; 12 <sup>th</sup> <i>International Conference on Intelligent Tutoring Systems</i>
2013	Advanced Training Institute Workshop on Nonlinear & Dynamic Systems Modeling in Psychological Science

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## REFERENCES

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| Arthur Graesser, Ph.D., Full Professor   | Department of Psychology,<br>University of Memphis,<br>Memphis, TN 38152.<br>phone: (901) 678-4857;<br>email: <a href="mailto:a-graesser@memphis.edu">a-graesser@memphis.edu</a>                               |
| Christopher Brooks, Ph.D., Assistant Professor   | School of Information,<br>University of Michigan,<br>Ann Arbor, MI 38152.<br>email: <a href="mailto:brooks@umich.edu">brooks@umich.edu</a>   |
| Dragan Gašević, Ph.D., Full Professor  | Department of Information Technology and Education<br>Monash University,<br>Melbourne, Australia<br>phone: +61 3 9902 4465;<br>email: <a href="mailto:dragan.gasevic@monash.edu">dragan.gasevic@monash.edu</a> |
| Timothy McKay, Ph.D., Full Professor, Arthur<br>F. Thurnau Professor of Physics, Astronomy,<br>and Education | Academic Innovation & Department of Physics,<br>University of Michigan,<br>Ann Arbor, MI, 48109<br>phone: (734) 763-1462<br>email: <a href="mailto:tamckay@umich.edu">tamckay@umich.edu</a>                    |
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