

Supplementary Material

A Novel Taxonomy for Facilitating In-Depth Comparison of Continuing Engineering Education Practices

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Appendix 1. Identification references from the mapping review

Continuing education (CE)

Identification codes	Reference
CE1	Nutwell, Emily, Prasad Mokashi, and Ann Christy. 2023. "Online Course Design For the Engineering Workforce: Bringing Theory to Practice." Advances in Engineering Education 11. https://doi.org/10.18260/3-1-1153-36045.
CE2	Posio, J., P. Maljamäki, M. Haavikko, T. Tepsa, and H. Väätäjä. 2023. "EXPERIENCES and LEARNING OUTCOMES of USING VIRTUAL REALITY in BUILDING SERVICES ENGINEERING EDUCATION." In 51st Annual Conference of the European Society for Engineering Education, SEFI 2023, 1098–1108.
CE3	Korning, Ida Marie Lybecker, and Bente Nørgaard. 2023. "European and National Strategies Supporting Development and Implementation of Continuing Engineering Education at Scandinavian Universities: SEFI Annual Conference 2023." SEFI 2023 - 51st Annual Conference of the European Society for Engineering Education, September. https://doi.org/10.21427/AV3P-7C24.
CE4	Chakrabarti, S., Caratozzolo, P., Norgaard, B., & Sjoer, E. 2021. "Preparing Engineers for Lifelong Learning in the Era of Industry 4.0." Presented at the 2021 World Engineering Education Forum/Global Engineering Deans Council (WEEF/GEDC), Madrid, Spain, pp. 518-523. doi: 10.1109/WEEF/GEDC53299.2021.9657247.
CE5	Brink, S., Carlsson, C. J., Enelund, M., Georgsson, F., Keller, E., Lyng, R., & McCartan, C. 2021. "Curriculum Agility: Responsive Organization, Dynamic Content, and Flexible Education." In 2021 IEEE Frontiers in Education Conference (FIE), pp. 1-5. doi: 10.1109/FIE49875.2021.9637287.

CE6	Villafañe-Delgado, M., Johnson, E. C., Hughes, M., Cervantes, M., & Gray-Roncal, W. 2020. "STEM Leadership and Training for Trailblazing Students in an Immersive Research Environment." In 2020 IEEE Integrated STEM Education Conference (ISEC), pp. 1-4. doi: 10.1109/ISEC49744.2020.9280735.
CE7	Haba, C. G. 2018. "Using Continuous Education Courses to Improve Learning Experience." In 2018 International Conference and Exposition on Electrical And Power Engineering (EPE), pp. 1-4. doi: 10.1109/ICEPE.2018.8559778.
CE8	Castro, M., Aguilera, M. P., Pavón, S., Campaña, M., and Pavón, M. A. 2017. "Education and New Technologies - A Proposal from AUGE to the World." In 2017 IEEE World Engineering Education Conference (EDUNINE), pp. 13-18. doi: 10.1109/EDUNINE.2017.7918172.
CE9	Morace, Christophe, Alison Gourvès-Hayward, Denis Lemaître, and Damien Coadour. 2017. "Continuing Education for Technology Transfer : Time Matters." HAL Archives Ouvertes. Terceira Island, Azores, Portugal. September 1, 2017. https://hal.science/hal-01630088/.
CE10	Baukal, Charles E., and Lynna J. Ausburn. 2016. "Learning Strategy Preferences of Working Engineers." International Journal of Continuing Engineering Education and Life-Long Learning 26 (3): 309. https://doi.org/10.1504/ijceell.2016.078449.
CE11	Rüütmann, T. 2016. "Additional Specialty of a Technical Teacher for Engineers Afforded in Continuing Education at Tallinn University of Technology." In 2016 13th International Conference on Remote Engineering and Virtual Instrumentation (REV), pp. 43-47. doi: 10.1109/REV.2016.7444438.
CE12	Jake Rowan Byrne, Lorraine Fisher, and Brendan Tangney. 2016. "A 21st Century Teaching and Learning Approach to Computer Science Education: Teacher Reactions." Communications in Computer and Information Science, January, 523–40. https://doi.org/10.1007/978-3-319-29585-5_30.
CE13	Springer, Mitchell, and Mark T. Schuver. 2015. "Engineers and Technologists-From Titles to Roles to Continuing Education." Journal of Engineering Technology 32 (2): 42. American Society for Engineering Education.
CE14	Banik, Gouranga, Leslie Daugherty, Keven Kleweno, N. Catherine Bazan-Arias, Darrell Berry, Dennis L Richards, and John A Casazza. 2015. "Mandatory Continuing Education Requirements for Licensed Civil Engineers." Journal of Professional Issues in Engineering Education and Practice 141 (1). https://doi.org/10.1061/(asce)ei.1943-5541.0000214.

Identification number	Reference
CEE1	Andersen, Rasmus, Alessia Napoleone, Ann-Louise Andersen, and Thomas Ditlev Brunoe. 2023. "Closing the Gap: Communicating Research to Industry through the REKON Dissemination Format." Lecture Notes in Mechanical Engineering, January, 293–302. https://doi.org/10.1007/978-3-031- 34821-1_32.
CEE2	Gomez-Puente, Sonia, Christopher Smith, Matias Urenda Moris, Bente Nørgaard, Hans-Ulrich Heiß, Patricia Caratozzolo, Katrina Schrey-Niemenmaa, Hanna-Rikka Myllymäki, and Rigas Hadzilacos. 2023. "Towards Building a Framework for Continuing Engineering Education in Higher Education Institutions: A Comparative Study: SEFI Annual Conference 2023: Engineering Education for Sustainability." Edited by Ger Reilly, Mike Murphy, Balazs Vince Nagy, and Hannu-Matti Jarvinen. Proceedings of the 2023 SEFI Annual Conference, September 2085–93. https://doi.org/10.21427/P43B-6Z03.
CEE3	Smith, Christopher, and Aniko Kálmán. 2023. "How Can Continuing Engineering Education Approaches Meet Societal and Industry Needs for Future-Focused, Lifelong Learning Skills and Competences?: SEFI Annual Conference 2023: Engineering Education for Sustainability." Edited by Ger Reilly, Mike Murphy, Balazs Vince Nagy, and Hannu-Matti Jarvinen. 51st Annual Conference of the European Society for Engineering Education: Engineering Education for Sustainability, Proceedings, November, 3255–61. https://doi.org/10.21427/6VN5-HF41.
CEE4	Korning, Ida Marie Lybecker, and Bente Nørgaard. 2023. "European and National Strategies Supporting Development and Implementation of Continuing Engineering Education at Scandinavian Universities: SEFI Annual Conference 2023." SEFI 2023 - 51st Annual European Society for Engineering Education Conference, September. https://doi.org/10.21427/AV3P-7C24.
CEE5	Smith, A. E., A. Soeiro, R. A. Berge, T. Atabarut, J. Atkinson, and P. Caratozzolo. 2023. Sustainable Engineering Education Embedded Curricula Research Project. European Society for Engineering Education (SEFI). DOI: 10.21427/VJ4V-5H97.
CEE6	Kimmel, Howard S., Ronald H. Rockland, John D. Carpinelli, and Gale T. Spak. 2022. "Effective Instructional Practices in Continuing Engineering Education." Researchwith.njit.edu. Nova Science Publishers, Inc. January 1, 2022. https://researchwith.njit.edu/en/publications/effective-instructional- practices-in-continuing-engineering-educa.
CEE7	Baukal, Charles E. 2022. "Sourcing Continuing Engineering Education." In Continuing Engineering Education Handbook, 231–50. NOVA.
CEE8	Baukal, Charles E., and L.J. Ausburn. 2022. "Working Engineers' Learning Preferences." In Continuing Engineering Education Handbook, 39–59. NOVA.
CEE9	Baukal, Charles E. 2022. "Continuing Engineering Education." In Continuing Engineering Education Handbook, 1–26. NOVA.

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CEE10	Baukal, Charles E., and W. Bussman. 2022. "Incorporating Learning Styles into Continuing Engineering Education: A Process Heater Case Study." In Continuing Engineering Education Handbook, 61–74. NOVA.
CEE11	Baukal, Charles E. 2022. "Continuing Engineering Education Practices and Preferences." In Continuing Engineering Education Handbook, 155–67. NOVA.
CEE12	Andersen, Ann-Louise, and Carin Rösiö. 2021. "Continuing Engineering Education (CEE) in Changeable and Reconfigurable Manufacturing using Problem-Based Learning (PBL)." Procedia CIRP 104: 1035-1040. ISSN 2212-8271. https://doi.org/10.1016/j.procir.2021.11.174.
CEE13	Chakrabarti, Soma, E. Sjoer, Bente Norgaard, and Patricia Caratozzolo. 2020. "The Future of Continuing Engineering Education in The Era of Digitalization and Personalization.". SEFI2020 Annual Conference online
CEE14	Nørgaard, Bente. 2019. "Implications of Facilitated Work-Based Learning Implemented as an Approach to Continuing Engineering Education." European Journal of Engineering Education 44 (4): 629–42. https://doi.org/10.1080/03043797.2019.1612324.
CEE15	Soeiro, Alfredo, Errol la Grange, and Anthony Smith. 2018. "Continuing Engineering Education and Sustainability," October. https://doi.org/10.1145/3284179.3284266.
CEE16	Block, BM. 2017. "Innovation in Continuing Engineering Education with Focus on Gender and Non- traditional Students' Pathways." In SEFI Annual Conference 2017: 18-21 September 2017, Azores, Portugal; Proceedings; Education Excellence for Sustainability, edited by J. Bernardino, J. Rocha, and JC Quadrado, 276-283. European Society for Engineering Education. Accessed April 26, 2024. https://www.sefi.be/wp-content/uploads/SEFI_2017_PROCEEDINGS.pdf
CEE17	Baukal, Charles E., and Lynna J. Ausburn. 2016. "Relationship of Prior Knowledge and Working Engineers' Learning Preferences: Implications for Designing Effective Instruction." European Journal of Engineering Education 42 (3): 302–22. https://doi.org/10.1080/03043797.2016.1158792.
CEE18	Nørgaard, Bente. 2017. "Part-Time Engineering Master Programmes: 45TH SEFI ANNUAL CONFERENCE." Edited by José Carlos Quadrado, Jorge Bernardino, and Joao Rocha. Proceedings of the 45th SEFI Annual Conference, September. https://vbn.aau.dk/en/publications/part-time-engineering-master-programmes-implementing-real-life-en.
CEE19	Morace, Christophe, Alison Gourvès-Hayward, Denis Lemaître, and Damien Coadour. 2017. "Continuing Education for Technology Transfer : Time Matters." HAL Archives Ouvertes. Terceira Island, Azores, Portugal. September 1, 2017. https://hal.science/hal-01630088/.
CEE20	Baukal, Charles E., and Lynna J. Ausburn. 2017. "Working Engineers' Multimedia Type Preferences." Australasian Journal of Engineering Education 22 (2): 63–72. https://doi.org/10.1080/22054952.2017.1392225.

CEE21	Baukal, Charles E., and Lynna J. Ausburn. 2015. "Verbal-Visual Preferences of Working Engineers." European Journal of Engineering Education 41 (6): 660–77. https://doi.org/10.1080/03043797.2015.1107873.
CEE22	Lohmann, Jack, and Jeffrey Froyd. 2015. "Chronological and Ontological Development of Engineering Education as a Field of Scientific Inquiry." https://sites.nationalacademies.org/cs/groups/dbassesite/documents/webpage/dbasse_072587.pdf.
CEE23	Nørgaard, Bente, David Nolan, Thomas Polman, Andrea Delfsma, Eeva Parviainen, Ilona Upanne, and Marianne Areskoug. 2015. "Work-based Learning – in Industrial Engineering." Presented at the 43rd Annual SEFI Conference, June 29 - July 2, 2015, Orléans, France. Retrieved from https://urn.kb.se/resolve?urn=urn:nbn:se:kth:diva-186047.
CEE24	Maware, Catherine, David M. Parsley, Kun Huang, Gerry M. Swan, and Nelson Akafuah. 2023. "Moving Lab-Based In-Person Training to Online Delivery: The Case of a Continuing Engineering Education Program." Journal of Computer Assisted Learning, February. https://doi.org/10.1111/jcal.12789.

Framework (F)

Identification number	Reference
F1	Hingle, A., A. Goncher, A. Johri, and J. Case. 2022. "A Mapping Review of the Use of Frameworks in Engineering Education Research Grey Literature." In 2022 IEEE Frontiers in Education Conference (FIE), Uppsala, Sweden, pp. 1-6. doi: 10.1109/FIE56618.2022.9962609.
F2	Kurtz, V., J. Bönsch, and J. Ovtcharova. 2022. "Understanding and Harnessing the Potential of Conversational AI for S-BPM." In Subject-Oriented Business Process Management. Dynamic Digital Design of Everything – Designing or being designed?, edited by M. Elstermann, S. Betz, and M. Lederer, S-BPM ONE 2022, Communications in Computer and Information Science, vol. 1632. Springer, Cham. https://doi.org/10.1007/978-3-031-19704-8_3.
F3	Ward, R., et al. 2021. "Towards a 21st Century Personalised Learning Skills Taxonomy." In 2021 IEEE Global Engineering Education Conference (EDUCON), Vienna, Austria, pp. 344-354. doi: 10.1109/EDUCON46332.2021.9453883.
F4	Kuratko, D.F., Morris, M.H., and Schindehutte, M. 2015. "Understanding the dynamics of entrepreneurship through framework approaches." Small Bus Econ 45: 1–13. https://doi.org/10.1007/s11187-015-9627-3.

F5	Gudoniene, D., T. Blazauskas, V. Keršienė, and V. Zangrando. 2021. "Ingame Design Framework." In Information and Software Technologies. ICIST 2021, edited by A. Lopata, D. Gudonienė, and R. Butkienė, Communications in Computer and Information Science, vol. 1486. Springer, Cham. https://doi.org/10.1007/978-3-030-88304-1_23.
F6	Singelmann, L., et al. 2021. "Creation of a Framework that Integrates Technical Innovation and Learning in Engineering." In 2021 IEEE Frontiers in Education Conference (FIE), Lincoln, NE, USA, pp. 1-9. doi: 10.1109/FIE49875.2021.9637179.
F7	Garcia-Esteban, S., and S. Jahnke. 2020. "Skills in European higher education mobility programmes: outlining a conceptual framework." Higher Education, Skills and Work-Based Learning 10 (3): 519-539. https://doi.org/10.1108/HESWBL-09-2019-0111.

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Lexicon (L)

Identification number	Reference
Ll	Moore, Robert L. 2022. "Introducing Mesocredentials: Connecting MOOC Achievement with Academic Credit." Distance Education, May 1–19. https://doi.org/10.1080/01587919.2022.2064823.
L2	Damiani, Valeria, and Gabriella Agrusti. 2017. "Developing Online Resources for Adult Refugees in Italy: Foster Skills That Will Enhance Employability Prospects." 5019-5027. https://doi.org/10.21125/inted.2017.1169.

Lifelong learning (LL)

Identification number	Reference
LLI	Gaynor, Greg, Sudha Krishnan, Sabrina Landa, and Yoojin Lee. 2023. "The Buck Does Not Stop Here: A Case on Dynamic Technologies and Skills That Drive the Need for Lifelong Learning for Accounting Students." Journal of Higher Education Theory and Practice 23 (19). https://doi.org/10.33423/jhetp.v23i19.6711.
LL2	VAN DEN BROECK, Lynn, Rani DUJARDIN, Sofie CRAPS, Una BEAGON, Caitriona DEPAOR, Aimee BYRNE, and Johanna K. NAUKKARINEN. 2023. "Students' and Lecturers' Perceptions on the Importance, Training, and Assessment of Engineering and Lifelong Learning Competencies." Research Papers, October. https://doi.org/10.21427/0SKE-QJ24.

LL3	Johri, Aditya. 2021. "Lifelong and Lifewide Learning for the Perpetual Development of Expertise in Engineering." European Journal of Engineering Education, June 1–15. https://doi.org/10.1080/03043797.2021.1944064.
LL4	Martín-Núñez, J. L., C. Núñez-Del-Río, A. Jiménez-Rivero, A. M. Souto, A. Molina-García, and C. García-Aranda. 2022. "Training of Engineering Educators for Teaching Creativity Through a Knowledge Management System." In XII International Conference on Virtual Campus (JICV), Arequipa, Peru, 1-4. doi: 10.1109/JICV56113.2022.9934307.
LL5	Lantada, Díaz, José Martín, and Nú Ez. 2021. "Strategies for Continuously Improving the Professional Development and Practice of Engineering Educators*." International Journal of Engineering Education 37 (1): 287–97,. https://www.ijee.ie/latestissues/Vol37-1/22_ijee4027.pdf.
LL6	Chakrabarti, Soma, E. Sjoer, Bente Norgaard, and Patricia Caratozzolo. 2020. "The Future of Continuing Engineering Education in The Era of Digitalization and Personalization.". SEFI2020 Annual Conference online
LL7	Sgouropoulou, C., I. Voyiatzis, A. Koutoumanos, S. Hamdioui, P. Pouyan, M. Comte, P. Prinetto, G. Airò Farulla, P. Ellervee, C. Delgado Kloos, and R. Crespo Garcia. 2017. "Standards-Based Tools and Services for Building Lifelong Learning Pathways." In 2017 IEEE Global Engineering Education Conference (EDUCON), 1619-1621. doi: 10.1109/EDUCON.2017.7943065.
LL8	Marcos, I. Ortiz, T. Fransson, P. Hagström, R. Zandonini, G. Horvath, and R. Abeyweera. 2015. "Project Based Learning in International Context in Sustainability and Global Economy. Time European Summer School: A Truly European Learning Experience." INTED2015 Proceedings, 4266–79. https://library.iated.org/view/ORTIZMARCOS2015PRO.

Professional Development (PD)

Identification number	Reference
PD1	Gomez-Puente, Sonia, Christopher Smith, Matias Urenda Moris, Bente Nørgaard, Hans-Ulrich Heiß, Patricia Caratozzolo, Katrina Schrey-Niemenmaa, Hanna-Rikka Myllymäki, and Rigas Hadzilacos. 2023. "Towards Building a Framework for Continuing Engineering Education in Higher Education Institutions: A Comparative Study: SEFI Annual Conference 2023: Engineering Education for Sustainability." Edited by Ger Reilly, Mike Murphy, Balazs Vince Nagy, and Hannu-Matti Jarvinen. Proceedings of the 2023 SEFI Annual Conference, September 2085–93. https://doi.org/10.21427/P43B-6Z03.
PD2	Lantada, Díaz, José Martín, and Nú Ez. 2021. "Strategies for Continuously Improving the Professional Development and Practice of Engineering Educators*." https://www.ijee.ie/latestissues/Vol37-1/22_ijee4027.pdf.

PD3	Nutwell, Emily, Prasad Mokashi, and Ann Christy. 2023. "Online Course Design For the Engineering Workforce: Bringing Theory to Practice." Advances in Engineering Education 11. https://doi.org/10.18260/3-1-1153-36045.
PD4	Springer, Mitchell, and Mark T. Schuver. 2015. "Engineers and Technologists-From Titles to Roles to Continuing Education." Journal of Engineering Technology 32 (2): 42. American Society for Engineering Education.
PD5	Fredriksson, Claes, and Mauricio Dwek. 2019. "A Software Tool for Lifelong Learning in Engineering Education." In Proceedings of the 47th Annual SEFI Conference, 16-19.
PD6	Nour El Mawas, Jean-Marie Gilliot, Serge Garlatti, Patricia Serrano Alvarado, Hala Skaf-Molli, Jérôme Eneau, Genevieve Lameul, Jacques-Francois Marchandise, and Hugues Pentecouteau. 2017. "Towards a Self-Regulated Learning in a Lifelong Learning Perspective." HAL (Le Centre Pour La Communication Scientifique Directe), January. https://doi.org/10.5220/0006387506610670.
PD7	García-García, C., J. Galán Serrano, R. Izquierdo Escrig, F. Felip Miralles, I. C. Agudelo Torres, and M. Puig Poch. 2018. "Gamification as a Tool for Acquisition Soft Skills in the Design Field" INTED2018 Proceedings, 3569–78. https://doi.org/10.21125/inted.2018.0685.

Taxonomy (T)

Identificati on number	Reference
T1	Guido Cassinadri. 2024. "ChatGPT and the Technology-Education Tension: Applying Contextual Virtue Epistemology to a Cognitive Artifact." Philosophy & Technology 37 (1). https://doi.org/10.1007/s13347-024-00701-7.
T2	Jiménez-García, Eva, Natalia Orenes-Martínez, and Luis Antonio López-Fraile. 2023. "Pedagogy Wheel for Artificial Intelligence: Adaptation of Carrington 's Wheel." RIED-Revista Iberoamericana de Educación a Distancia 27 (1): 87–113. https://doi.org/10.5944/ried.27.1.37622.
Т3	W. Hunter Holland, Robert B Powell, Kathleen K Holland, Barry A Garst, Elizabeth D Baldwin, and Cassie F Quigley. 2023. "The Influence of Experiential Wilderness-Based Professional- Development on Educator Character and Practices." Journal of Outdoor and Environmental Education, June. https://doi.org/10.1007/s42322-023-00124-6.
T4	Robson, Robby, Elaine Kelsey, Ashok Goel, Sazzad M. Nasir, Elliot Robson, Myk Garn, Matt Lisle, Jeanne Kitchens, Spencer Rugaber, and Fritz Ray. 2022. "Intelligent Links: AI-Supported Connections between Employers and Colleges." AI Magazine 43 (1): 75–82. https://doi.org/10.1002/aaai.12040.

T5	Yilmaz, Yusuf, Dimitrios Papanagnou, Alice Fornari, and Teresa M. Chan. 2021. "Just-In-Time Continuing Education." Journal of Continuing Education in the Health Professions Publish Ahead of Print (December). https://doi.org/10.1097/ceh.0000000000000415.
Т6	Shaw, Stephanie, John Donald, Paul Hungler, and Kaitlyn Brandt. 2020. "A Structured Approach to Reflective Journaling in Engineering Leadership Development." doi:10.18260/1-235448.
Τ7	Garcia-Esteban, S., and S. Jahnke. 2020. "Skills in European higher education mobility programmes: outlining a conceptual framework." Higher Education, Skills and Work-Based Learning 10 (3): 519-539. https://doi.org/10.1108/HESWBL-09-2019-0111.
Τ8	Steber, M., and S. Klante. 2019. "Designing and Sequencing Learning Content for Adult Educators' Competence Development in Open Web-Based Learning." In Conference Proceedings. The Future of Education 2019.

Workforce Education (WE)

Identification number	Reference
WE1	Phillips, M., M., Fosmire, M., Schirone, C., Johansson, and F. Berry. 2020. "Workplace Information Needs of Engineering and Technology Graduates: A Case Study on Two Continents." 2020 IEEE Frontiers in Education Conference (FIE), Uppsala, Sweden, pp. 1-5. doi: 10.1109/FIE44824.2020.9274276.
WE2	Kaufman, J., C. Tenopir, and L. Christian. 2019. "Does Workplace Matter? How Engineers Use and Access Information Resources in Academic and Non-Academic Settings." Science & Technology Libraries 38(3): 288–308. https://doi.org/10.1080/0194262X.2019.1637806.
WE3	Byun, Seong K., Jong-Min Oh, and Han Xia. 2021. "Incremental vs. Breakthrough Innovation: The Role of Technology Spillovers." Management Science 67 (3): 1779–1802. https://doi.org/10.1287/mnsc.2019.3507.
WE4	Al-Haqan, Asmaa, Felicity Smith, Dalal Al-Taweel, Lina Bader, and Ian Bates. 2020. "Using a Global Systematic Framework Tool to Guide the Advancement of the Pharmacy Workforce Education and Training on a National Level." Research in Social and Administrative Pharmacy, August. https://doi.org/10.1016/j.sapharm.2020.08.008.
WE5	Roumell, Elizabeth Anne, Florin D. Salajan, and Corina Todoran. 2018. "A Survey of U.S. Education Policy Regarding the Education of Adults." Educational Policy, September, 089590481880241. https://doi.org/10.1177/0895904818802416.

WE6	Hang, Kendrick, Tina Ostrander, Andy Orr, Josh Archer, and Susan Uland. 2020. "A Five-Year Retrospective on an Applied Baccalaureate Program in Software Development," February. https://doi.org/10.1145/3328778.3366803.
WE7	Hang, Kendrick, Timothy Mason, and Andy Orr. 2019. "Building an Ecosystem of Strategic Partners for New Baccalaureate Programs in Information Technology," September. https://doi.org/10.1145/3349266.3351370.
WE8	Roumell, Elizabeth Anne, Florin D. Salajan, and Corina Todoran. 2019. "An Analysis and Illustration of U.S. Adult and Workforce Education Policy." Adult Education Quarterly, June, 074171361985609. https://doi.org/10.1177/0741713619856097.
WE9	Golovina, Olga, Caner Kazanci, Jochen Teizer, and Markus König. 2019. "Using Serious Games in Virtual Reality for Automated Close Call and Contact Collision Analysis in Construction Safety." https://doi.org/10.22260/ISARC2019/0129.
WE10	Eltom, A., W. Elballa, N. Sisworahardjo, R. Hay, and G. Kobet. 2018. "Smart Distribution Course for 21st Century Power Sector Workforce." IEEE Transactions on Power Systems 33, no. 5: 5639- 5647, doi: 10.1109/
WE11	Roumell, Elizabeth A, and Kevin Roessger. 2019. "Humanistic, Innovative Solutionism: What Role Do Data Analytics Play in Developing a More Responsive and More Intelligent Adult and Workforce Education Policy?" International Perspectives on Education and Society, November, 127–42. https://doi.org/10.1108/s1479-367920190000038008.
WE12	Reider, David, Kirk Knestis, and Joyce Malyn-Smith. 2016. "Workforce Education Models for K-12 STEM Education Programs: Reflections On, and Implications For, the NSF ITEST Program." Journal of Science Education and Technology 25 (6): 847–58. https://doi.org/10.1007/s10956-016-9632-6.
WE13	Giloth, Robert P. 2022. "The Role of Intermediaries in US Workforce and Education Innovation." Economic and Political Studies, April 1–22. https://doi.org/10.1080/20954816.2021.1976900.