

CURRICULUM VITAE

Corné Coetzee

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CURRENT POSITION

Professor, Department of Mechanical & Mechatronic Engineering, Stellenbosch University
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PROFFESIONAL INTERESTS

Discrete Element Method (DEM) and related calibration and validation methods, Material Point Method (MPM), meshless-finite element methods, polar continua (Cosserat), granular flow and bulk materials handling, numerical modelling in general.

RESEARCH PROFILE

NRF Rating: Category B2 (December 2021)
H-index: 21 (Scopus, 44 publications, 1902 citations)
25 (Google Scholar, 69 publications, 2708 citations)
ORCID: <https://orcid.org/0000-0002-9924-8123>
Google Scholar: <https://scholar.google.co.za/citations?user=tHYnTe4AAAAJ&hl=en>

PUBLICATIONS

Book Chapters

2013

1. Jassim, I., Coetzee, C.J., Vermeer, P., 2013, *A dynamic material point method for geomechanics*, in Hicks, M.A., Dijkstra, J., Lloret-Cabot, M., Karstunen, M. (ed.), *Installation effects in geotechnical engineering*, CRC Press, ISBN: 978-1-138-00041-4

2023

2. Coetzee, C., Katterfeld, A., 2023, *Calibration of DEM parameters*, in McGlinchey, D., *Simulations in bulk solids handling: Applications of DEM and other methods*, Wiley, ISBN 9783527350100, <https://doi.org/10.1002/9783527350100>

Refereed Journals

2005

1. Coetzee, C.J., Vermeer, P.A., Basson, A.H., 2005, *The Modelling of anchors using the material point method*, International Journal for Numerical and Analytical Methods in Geomechanics, 29, 879-895

2006

2. Coetzee, C.J., Basson, A.H., Vermeer, P.A., 2006, *Discrete and continuum modelling of silo discharge*, R&D Journal, A publication of the South African Institution of Mechanical Engineering, 22(2), 26-38

2007

3. Coetzee, C.J., Basson, A.H., Vermeer, P.A., 2007, *Discrete and continuum modelling of excavator bucket filling*, Journal of Terramechanics, 44, 177-186

2009

4. Coetzee, C.J., Els, D.N.J., 2009, *Calibration of discrete element parameters and the modelling of silo discharge and bucket filling*, Computers and Electronics in Agriculture, 65, 198-212
5. Coetzee, C.J., Els, D.N.J., 2009, *Calibration of granular material parameters for DEM modelling and numerical verification by blade-granular material interaction*, Journal of Terramechanics, 46, 15-26
6. Coetzee, C.J., Els, D.N.J., 2009, *The numerical modelling of excavator bucket filling using DEM*, Journal of Terramechanics, 46, 217-227

2010

7. Coetzee, C.J., Els, D.N.J., Dymond, G.F., 2010, *Discrete element parameter calibration and the modelling of dragline bucket filling*, Journal of Terramechanics, 47, 33-44

2011

8. Coetzee, C.J., Lombard, S.G., 2011, *Discrete element modelling of a centrifugal fertiliser spreader*, Biosystems Engineering, 109, 308-325

2013

9. Coetzee, C.J., Lombard, S.G., 2013, *The destemming of grapes: Experiments and discrete element modelling*, Biosystems Engineering, 114, 232 – 248

2014

10. Coetzee, C.J., Nel, R.G., 2014, *Calibration of discrete element properties and the modelling of packed rock beds*, Powder Technology, 264, 332-342
11. Coetzee, C.J., 2014, *Discrete and continuum modelling of soil cutting*, Computational Particle Mechanics Journal, 1(4), 409-423
12. Coetzee, C.J., Horn, E., 2014, *Calibration of the discrete element method using a large shear box*, International Journal of Mechanical, Aerospace, Industrial and Mechatronics Engineering, 8(12), 2071-2080

2016

13. Coetzee, C.J., Dobson, R.T., 2016, *A simple numerical model for the prediction of apple temperatures under evaporative cooling*, Research in Agriculture and Agronomy, 2016 (2016), 1- 14, Article ID 884279, <https://doi.org/10.5171/2016.884279>
14. Fadiji, T., Coetzee, C., Pathare, P., Opara, U.L., 2016, *Susceptibility to impact damage of apples inside ventilated corrugated paperboard packages: Effects of package design*, Postharvest Biology and Technology, 111, 286-296
15. Fadiji, T., Coetzee, C., Chen, L., Chuckwu, O., Opara, U.L., 2016, *Susceptibility of apples to bruising inside ventilated corrugated paperboard packages during simulated transport damage*, Postharvest Biology and Technology, 118, 111-119

16. Fadiji, T., Coetzee, C., Opara, U.L., 2016, *Compression strength of ventilated corrugated paperboard packages: Numerical modelling, experimental validation and effects of vent geometric design*, Biosystems Engineering, 151, 231-247
17. Coetzee, C.J., 2016, *Calibration of the discrete element method and the effect of particle shape*, Powder Technology, 297, 50-70

2017

18. Coetzee, C.J., 2017, *Review: Calibration of the discrete element method*, Powder Technology, 310, 104-142
19. Fadiji, T., Berry, T., Coetzee, C.J., Opara, L., 2017, *Investigating the mechanical properties of paperboard packaging material for handling fresh produce under different environmental conditions: Experimental analysis and finite element modelling*, The Journal of Applied Packaging Research, 9(2), 20-34

2018

20. Fadiji, T., Berry, T.M., Ambaw, A., Coetzee, C., Opara, U.L., 2018, *Finite element analysis (FEA) - an effective and efficient design tool in food packaging industries: a review*, Acta Horticulturae, 1201, 245-252, DOI 10.17660/ActaHortic.2018.1201.33
21. Fadiji, T., Berry, T.M., Ambaw, A., Coetzee, C., Opara, U.L., 2018, *Finite element modelling of the structural performance of ventilated paperboard packaging*, Acta Horticulturae, 1201, 237-244, DOI 10.17660/ActaHortic.2018.1201.32
22. Berry, T.M., Defraeye, T., Ambaw, A., Coetzee, C., Opara, U.L., 2018, *Horticultural packaging systems of the future: Improving reefer container usage*, Acta Horticulturae, 1201, 221-228, DOI 10.17660/ActaHortic.2018.1201.30
23. Berry, T.M., Fadiji, T.S., Defraeye, T., Coetzee, C., Opara, L., 2018, *A multi-parameter approach to vent hole design for cartons packed with internal packaging*, Acta Horticulturae, 1194, 1307-1313, DOI 10.17660/ActaHortic.2018.1194.184
24. Fadiji, T., Berry, T.M., Coetzee, C.J., Opara, U.L., 2018, *Mechanical design and performance testing of corrugated paperboard packaging for postharvest handling of horticultural produce*, Biosystems Engineering, 171, 220-244
25. Fadiji, T., Coetzee, C.J., Berry, T.M., Ambaw, A., Opara, U.L., 2018, *The efficacy of finite element analysis (FEA) as a design tool for food packaging: A review*, Biosystems Engineering, 174, 20-40
26. Fadiji, T., Ambaw, A., Coetzee, C.J., Berry, T.M., Opara, U.L., 2018, *Application of finite element analysis to predict the mechanical strength of ventilated corrugated paperboard packaging for handling fresh produce*, Biosystems Engineering, 174, 260-281
27. Scheffler, O.C., Coetzee, C.J., Opara, U.L., 2018, *A discrete element model (DEM) for predicting apple damage during handling*, Biosystems Engineering, 172, 29-48
28. Fadiji, T., Berry, T., Coetzee, C., Opara, U.L., 2018, *The role of horticultural package hole design on structural performance*, Arid Zone Journal of Engineering, technology & Environment, 14 (SP.i4), 194-201

2019

29. Berry, T.M., Ambaw, A., Defraeye, T., Coetzee, C., Opara, L.U., 2019, *Moisture adsorption in palletised corrugated fibreboard cartons under shipping conditions: A CFD modelling approach*, Food and Bioproducts Processing, 114, 43-59
30. Coetzee, C.J., 2019, *Particle upscaling: calibration and validation of the discrete element method*, Powder Technology, 344, 487-503
31. Fadiji, T., Coetzee, C.J., Berry, T.M., Opara, U.L., 2019, *Investigating the role of geometrical configurations of ventilated fresh produce packaging to improve the*

mechanical strength – experimental and numerical approaches, Food Packaging and Shelf Life, 20, 100312

32. Fadiji, T., Coetzee, C.J., Opara, U.L., 2019, *Analysis of the creep behaviour of ventilated corrugated paperboard packaging for handling fresh produce – an experimental study*, Food and Bioproducts Processing, 117, 126-137

2020

33. Coetzee, C., 2020, *Calibration of the discrete element method: Strategies for spherical and non-spherical particles*, Powder Technology, 364, 851-878
34. Fadiji, T., Coetzee, C., Opara, U.L., 2020, *Evaluating the displacement field of paperboard packages subjected to compression loading using digital image correlation (DIC)*, Food and Bioproducts Processing, 123, 60-71

2021

35. Rossow, J., Coetzee, C. 2021, *Discrete element modelling of a chevron patterned conveyor belt and a transfer chute*, Powder Technology, 391, 77-96
36. Berry, T.M., Defraeye, T., Tsige, A. A., Coetzee, C., Opara, U.L., 2021, *Exploring novel carton footprints for Improved refrigerated containers usage – a conceptual study*, SSRN Electronic Journal, DOI: 10.2139/ssrn.3996131, <https://ssrn.com/abstract=3996131>

2022

37. Van Santen, J.W., Coetzee, C.J., 2022, *Design of a test setup for measuring all load components acting on tillage and planting implements*, R&D Journal, 38, 10-23
38. Berry, T.M., Defraeye, T., Shrivastava, C., Ambaw, A., Coetzee, C., Opara, U.L., 2022, *Designing ventilated packaging for the fresh produce cold chain*, Food and Bioproducts Processing, 134, 121-149
39. Berry, T.M., Defraeye, T., Ambaw, A., Coetzee, C.J., Opara, U.L., 2022, *Exploring novel carton footprints for improved refrigerated containers usage and a more efficient supply chain*, Biosystems Engineering, 220, 181-202
40. Nkwocha, C.L., Ambaw, A., Fadiji, T., Coetzee, C.J., Opara, U.L., 2022, *Evaluation of logistic alternatives in the fresh fruit refrigerated container*, Acta Hort. 1349, 427-434 DOI: 10.17660/ActaHortic.2022.1349.57
41. Nkwocha, C.L., Ambaw, A., Fadiji, T., Coetzee, C.J., Opara, U.L., 2022, *CFD-based analysis of the cooling capacity of a refrigerated container as a function of produce loading temperature*, Acta Hort. 1349, 435-442, DOI: 10.17660/ActaHortic.2022.1349.58
42. Tihamiyu, N.A., Berry, T.M., Ambaw, A., Coetzee, C.J., Opara, U.L., 2022, *Examining the effect of void plugs for airflow distribution using a validated 3D CFD model of a fully packed refrigerated container*, Acta Hort. 1349, 443-448, DOI: 10.17660/ActaHortic.2022.1349.59
43. Tihamiyu, N.A., Berry, T.M., Ambaw, A., Coetzee, C.J., Opara, U.L., 2022, *Evaluating different loading scenarios in a refrigerated container for space utilisation and cooling*, Acta Hort. 1349, 449-454, DOI: 10.17660/ActaHortic.2022.1349.60
44. Cillie, J., Coetzee, C., 2022, *Experimental and numerical investigation of the in-plane compression of corrugated paperboard panels*, Mathematical and Computational Applications, 27(108), 1-25, <https://doi.org/10.3390/mca27060108>

2023

45. Coetzee, C.J., Scheffler, O.C., 2023, *Review: The calibration of DEM parameters for the bulk modelling of cohesive materials*, Processes, 11, 5, <https://doi.org/10.3390/pr11010005>

46. Aduke, R.N., Venter, M.P., Coetzee, C.J., 2023, *An analysis of numerical homogenisation methods applied on corrugated paperboard*, Mathematical and Computational Applications, 28(46), <https://doi.org/10.3390/mca28020046>
47. Coetzee, C., Scheffler, O.C., 2023, *Comparing particle shape representations and contact models for DEM simulation of bulk cohesive behaviour*, Computers and Geotechnics, 159, 105449
48. Scheffler, O.C., Coetzee, C.J., 2023, *DEM calibration for simulating bulk cohesive materials*, Computers and Geotechnics, 161, 105476

International Conferences

1. Els, D.N.J., Coetzee, C.J., 1999, *Friction forces in a vertically pushed granular column*, International Symposium on Reliable Flow of Particulate Solids III, Porsgrunn, Norway
2. Coetzee, C.J., Els, D.N.J., 2002, *Modelling excavator bucket filling with DEM*, Proceedings of the Fifth World Congress on Computational Mechanics (WCCM V), July 7-12, Vienna, Austria, Editors: Mang, H.A., Rammerstorfer, F.G., Eberhardsteiner, J., Publisher: Vienna University of Technology, Austria, ISBN 3-9501554-0-6, <http://wccm.tuwien.ac.at>
3. Beuth, L., Vermeer, P., Coetzee, C.J., Bonnier, P., van den Berg, P., 2007, *Formulations and validation of a quasi-static material-point*, International Symposium on Numerical Models in Geomechanics, Rhodes, Greece, 25-27 April
4. Beuth, L., Benz, T., Vermeer, P., Wieckowski, Z., Coetzee, C.J., 2007, *Large deformation analyses using the material-point method*, 17th International Conference on Computer Methods in Mechanics, CMM 2007, June 19 – 22, Lodz-Spala, Poland
5. Coetzee, C.J., 2009, *The modelling of bulk materials handling using the discrete element method*, 1st African Conference on Computational Mechanics – An International Conference, AfriComp, January 7-11, Sun City, South Africa
6. Beuth, L., Więckowski, Z., Vermeer, P.A., Coetzee, C.J., 2009, *The modelling of large deformation geotechnics using the material point method*, 1st African Conference on Computational Mechanics – An International Conference, AfriComp, January 7 – 11, Sun City, South Africa
7. Jassim, I., Coetzee, C.J., 2009, *A contact algorithm for non-structured MPM meshes*, 18th International Conference on Computer Methods in Mechanics, CMM 2009, 18-21 May, Zielona Gora, Poland
8. Fadiji, T.S., Pathare, P.B., Opara, U.L., Coetzee, C.J., Chukwu, O., 2012, *Resistance of apples to mechanical damage inside a ventilated corrugated paperboard (VCP) package*, 2nd International Conference on Post Harvest Technology & Quality Management, Post Harvest Africa, 25-29 November, Stellenbosch, South Africa
9. Nel, R.G., Louw, A.D.R., Coetzee, C.J., 2012, *A DEM-CFD approach to predict the pressure drop through an air-rockbed thermal storage system: Part 1*, First Southern African Solar Energy Conference, SASEC, 21-23 May, Protea Hotel Technopark, Stellenbosch, South Africa
10. Jassim, I., Coetzee, C.J., Vermeer, P., 2013, *A dynamic material point method for geomechanics*, International conference: Installation effects in Geotechnical Engineering, GEO-INSTALL, Rotterdam, 24-27 March, ISBN: 978-1-138-00041-4
11. Coetzee, C.J., 2013, *Calibration of material properties for discrete element modelling*, 3rd African Conference on Computational Mechanics - An International Conference, AfriComp, July 30-August 2, Livingstone, Zambia

12. Fadiji, T., Coetzee, C.J., Pathare, P., Opara, U.L., 2013, *Impact damage of apples inside ventilated cartons*, Post-harvest Innovation Programme Symposium, 19-20 November, Spier Estate, Stellenbosch, South Africa
13. Coetzee, C.J., Horn, E., 2014, *Calibration of the discrete element method using a large shear box*, International Conference on Materials, Structures and Mechanical Engineering, ICMSME, 30-31 December, Paris, France
14. Berry, T.M., Fadiji, T.S., Defraeye, T., Ambaw, A., Coetzee, C., Opara, U.L., 2016., *A multi-parameter approach to vent hole design for cartons packed with internal packaging*, Proceedings of the 8th International Postharvest Symposium: Enhancing Supply Chain and Consumer Benefits - Ethical and Technological Issues, 1194, 1307-1314, 21-24 June 2016, Cartagena, Spain
15. Fadiji, T.S., Coetzee, C.J., Opara, U.L., 2016, *To protect and preserve – studies to improve the mechanical design of ventilated fresh produce packaging*, 5th African Higher Education Week and RUFORUM Biennial Conference, 17–21 October, Cape Town, South Africa
16. Fadiji, T.S., Coetzee, C.J., Opara, U.L., 2016, *Modelling the structural behaviour of ventilated paperboard packaging*, Engineering and Technology Innovation for Global Food Security, 24–27 October, Cape Town, South Africa
17. Coetzee, C.J., 2016, *Calibration of the discrete element method and the effect of particle shape*, The 10th South African Conference on Computational and Applied Mechanics, SACAM, 3-5 October 2016, Potchefstroom, South Africa
18. Fadiji, T., Berry, T. Ambaw, A., Coetzee, C., Opara, L., 2017, *Finite element analysis (FEA) - an effective and efficient design tool in food packaging industries: A review*, VII International Conference on Managing Quality in Chains (MQUIC2017) and II International Symposium on Ornamentals, 1201, 245-252, 4-7 September 2017, Stellenbosch, South Africa (full paper accepted for publication in Acta Horticulturae)
19. Fadiji, T., Berry, T., Ambaw, A., Coetzee, C., Opara, L., 2017, *Finite element modelling of the structural performance of ventilated paperboard packaging*, VII International Conference on Managing Quality in Chains (MQUIC2017) and II International Symposium on Ornamentals, 1201, 237-244, 4-7 September 2017, Stellenbosch, South Africa (full paper accepted for publication in Acta Horticulturae)
20. Berry, T.M., Defraeye, T., Ambaw, A., Coetzee, C., Opara, L., 2017, *Horticultural packaging systems of the future: Improving reefer container usage*, VII International Conference on Managing Quality in Chains (MQUIC2017), 4-7 September 2017, Stellenbosch, South Africa (full paper accepted for publication in Acta Horticulturae)
21. Berry, T.M., Fadiji, T., Defraeye, T., Coetzee, C., Opara, L., 2017, *A multi-parameter approach to vent hole design for cartons packed with internal packaging*, VII International Conference on Managing Quality in Chains (MQUIC2017), 4-7 September 2017, Stellenbosch, South Africa (full paper accepted for publication in Acta Horticulturae)
22. Scheffler, O.C., Coetzee, C.J., 2018, *A discrete element model (DEM) for predicting apple damage during handling*, The 11th South African Conference on Computational and Applied Mechanics (SACAM), 17-19 September 2018, Vanderbijlpark, South Africa
23. Coetzee, C.J., 2018, *Calibration of discrete element parameters and the effect of particle scale*, 9th International Conference: Conveying and Handling of Particulate Solids, ChopS 2018, 10-14 September 2018, Greenwich, London, UK

24. Fadiji, T., Berry, T., Coetzee, C., Opara, U. L., 2018, *The role of horticultural package vent hole design on structural performance*, 12th CIGR Section VI Postharvest Technology and Bio-Process Engineering International Symposium, 22–25 October 2018, Ibadan, Nigeria, (Oral presentation)
25. Fadiji, T., Coetzee, C., Opara, U. L., 2018, *Deformation field of corrugated paperboard horticultural packages using digital image correlation*, 12th CIGR Section VI Postharvest Technology and Bio-Process Engineering International Symposium, 22–25 October 2018, Ibadan, Nigeria, (Poster presentation)
26. Coetzee, C.J., 2019, *Calibration of the discrete element method using an annular ring shear tester*, 13th International conference on bulk materials storage, handling and transportation, ICBMH2019, 9-11 July, Gold Coast, Australia
27. Coetzee, C.J., Rossow, J., 2021, *Discrete element modelling of a chevron patterned conveyor belt and a transfer chute*, South African Conference on Computational and Applied Mechanics (SACAM), 29 November - 01 December 2021, Cape Town, South Africa
28. Baumgartner, S.J., Reynolds, Q.G., Bergmann, C., Akdogan, G., Coetzee, C.J., 2021, *Toward discrete element modelling of material flow in submerged arc furnaces*, 40th Application of Computers and Operations Research, (APCOM) 2021, International Conference, SAIMM (The South African Institute of Mining and Metallurgy), 30 August – 01 September, 2021
29. Nkwocha, C.L., Ambaw, A., Fadiji T., Coetzee, C., Opara, U.L., 2021, *Evaluation of logistic alternatives in refrigerated freight of fresh fruit*, Food Systems Research Symposium, 3 June, Consortium for Innovation in Post-harvest Loss and Food Waste Reduction, IOWA State University, USA
30. Nkwocha, C.L., Ambaw, A., Fadiji, T., Coetzee, C., Opara, U.L., 2021, *Establishing the cooling capacity of reefers for strategic logistics scheduling in the fruit cold chain*, Training the Next Generation of Food System Leaders And Researchers, Consortium for Innovation in Post-harvest Loss and Food Waste Reduction, IOWA State University. All African Post-Harvest Congress and Exhibition
31. Tsige, A., Nkwocha, L. Fadiji, T., Coetzee, C., Opara, U.L., 2022, *CFD-Based analysis of the cooling capacity of refrigerated container as a function of produce loading temperature*, V International Symposium on Pomegranate and Minor Mediterranean Fruits, Stellenbosch, 14-18 February 2022
32. Tsige, A., Nkwocha, L. Fadiji, T., Coetzee, C., Opara, U.L., 2022, *Evaluation of logistic alternatives in the fresh fruit refrigerated container*, V International Symposium on Pomegranate and Minor Mediterranean Fruits, Stellenbosch, 14-18 February 2022
33. Tiamiyu, N.A., Berry, T.M., Opara, U.L., Coetzee, C.J., Ambaw, A., 2022, *Examining the effect of void plugs for airflow distribution using a validated 3D CFD model of a fully packed refrigerated container*, V International Symposium on Pomegranate and Minor Mediterranean Fruits, Stellenbosch, 14-18 February 2022
34. Tiamiyu, N.A., Berry, T.M., Opara, U.L., Coetzee, C.J., Ambaw, A., 2022, *Evaluating different loading scenarios in a refrigerated container for space utilisation and cooling*, V International Symposium on Pomegranate and Minor Mediterranean Fruits, Stellenbosch, 14-18 February 2022
35. Coetzee, C.J., Scheffler, O.C., 2022, *DEM calibration of cohesive bulk materials*, 10th International Conference on Conveying and Handling of Particulate Solids (CHoPS 2022), Salerno, Italy, 5-9 July 2022

36. Coetzee, C.J., *Using the material point method (MPM) to model bulk materials*, 10th International Conference on Conveying and Handling of Particulate Solids (CHoPS 2022), Salerno, Italy, 5-9 July 2022
37. Scheffler, O.C., Coetzee, C.J., 2022, *DEM simulation of moist sand over a transfer point*, 10th International Conference on Conveying and Handling of Particulate Solids (CHoPS 2022), Salerno, Italy, 5-9 July 2022
38. Coetzee, C.J., Scheffler, O.C., 2022, *DEM calibration of cohesive bulk materials*, 5th African Conference on Computational Mechanics, Africomp, Cape Town, 2-4 November 2022
39. Coetzee, C.J., *Using the material point method (MPM) to model bulk materials*, 5th African Conference on Computational Mechanics, Africomp, Cape Town, 2-4 November 2022
40. Scheffler, O.C., Coetzee, C.J., 2022, *DEM simulation of moist sand over a transfer point*, 5th African Conference on Computational Mechanics, Africomp, Cape Town, 2-4 November 2022
41. Aduke, R.N., Coetzee, C., Venter, M.P., 2022, *An analysis of numerical homogenization methods applied on corrugated paperboard*, 5th African Conference on Computational Mechanics, Africomp, Cape Town, 2-4 November 2022
42. Cillie, J., Coetzee, C., 2022, *Experimental and numerical investigation of the in-plane compression of corrugated paperboard panels*, 5th African Conference on Computational Mechanics, Africomp, Cape Town, 2-4 November 2022
43. Grobbelaar, H.C., Els, D.N.J., Coetzee, C.J., 2023, *DEM modelling of ballistic gelatin for low energy impacts*, 4th Aspherix & CFDEM conference, 20-21 April 2023, Linz, Austria
44. Coetzee, C.J., 2023, *DEM modelling of ballistic gelatin for low energy impacts*, 9th International Conference on Discrete Element Methods, 17-21 September 2023, Erlangen, Germany

National Conferences

1. Vogler, U., Coetzee, C.J., Vermeer, P.A., 2003, *Simulation of field model tests by two different numerical approaches*. DGGK, AK 1.6 "Numerik in der Geotechnik": Workshop: Nachweise für Böschungen und Baugruben mit numerischen Methoden, S. 37-46, Weimar, Germany
2. Coetzee, C.J., 2008, *Calibration of discrete element parameters and the modelling of bulk materials handling*, Conveyors and Bulk Materials Conference, 6-7 August, Midrand, South Africa
3. Berry, T.M., Coetzee, C., Opara, U.L., 2016. *Packaging – functions and material*, Training presentation at the Postharvest short course for new farming entrants in cape flora, citrus, pome and stone fruit, pomegranates and table grapes, HortGro Science: Stellenbosch, South Africa, 17-18 August 2016.
4. Berry, T.M., Coetzee, C., Opara, U.L., 2017. *Packaging – functions and material*, Training presentation at the 7th Postharvest Physiology and Technology Short Course of Fresh Horticultural Crops, HortGro Science: Stellenbosch, South Africa, 19-21 June 2017
5. Coetzee, C.J., 2017, *Calibration of DEM parameters: Including applications*, Engineering Simulation Conference, Qfinsoft, Lord Charles, Somerset West, 29 August 2017
6. Coetzee, C.J., Wolff, K., 2017, *Blended learning and other interventions used in first year engineering drawing*, Scholarship of Teaching and Learning Conference (SoTL), Stellenbosch University, 24-25 October 2017

Popular Articles

1. Coetzee, Corné, *Hoe dors is jou dakrak?*, WegRy 2012
2. Coetzee, Corné, *Discrete element modelling: Overcoming the challenges*, Bulk Handling Today, August 2019