

Peer Reviewed Journals

1. V.S Ghali,B suresh and A hemanth,"Data fusion for enhanced defect Detestability in non stationary thermal wave imaging " IEEE sensors,2015, 15(12)pp6761-6762.
<https://ieeexplore.ieee.org/document/7219361>
2. B Suresh, SK Subhani, A Vijayalakshmi, VH Vardhan, VS Ghali "Chirp Z transform based enhanced frequency resolution for depth resolvable non stationary thermal wave imaging,"Rev.Sci.Instr.,88(1), 014901,(2017).
<https://aip.scitation.org/doi/10.1063/1.4973192>
3. B.Suresh,Sk. Subhani,V.S.Ghali and R.Mulaveesala"Subsurface details fusion for anomaly detection in non stationary thermal wave imaging", Insight, 59(10),2017.
<https://www.ingentaconnect.com/contentone/bindt/insight/2017/00000059/00000010/art00008?crawler=true&mimetype=application/pdf>
4. Sk. Subhani .B Suresh and V.S.Ghali "Orthogonal projection approach for depth-resolvable subsurface analysis in non-stationary thermal wave imaging" Infrared Imaging Insight ,Vol 58 ,No 1, January 2016.
<https://www.ingentaconnect.com/content/bindt/insight/2016/00000058/00000001/art00009>
5. .Sk.Subhani ,B.Suresh, V.S.Ghali, "Empirical mode decomposition approach for defect detection in non – stationary thermal wave imaging," NDT & E Int., 81, pp.39-45 (2016).
<https://www.sciencedirect.com/science/article/abs/pii/S0963869516300202>
6. Sk.Subhani ,B.Suresh,V.S.Ghali"Quantitative subsurface analysis using frequency modulated thermal wave imaging 'Infrared Physics and Technology, 88 (41-47),2018.
7. <https://www.sciencedirect.com/science/article/abs/pii/S1350449517303535#:~:text=Frequency%20modulated%20thermal%20wave%20imaging%20introduced%20earlier%20provides%20a%20complete,approach%20to%20resolve%20subsurface%20details.>

8. Ghali, V S, Jonnalagadda N and Mulaveesala R, Three-dimensional pulse compression for infrared nondestructive testing, IEEE Sensors Journal, vol. 9, 832-833 (2009)
<https://ieeexplore.ieee.org/document/5073242>
9. Ghali, V S and Mulaveesala R, Frequency modulated thermal wave imaging techniques for non-destructive testing, Insight, vol. 52, No 9, pp. 475- 80(2010).
<https://www.ingentaconnect.com/content/bindt/insight/2010/00000052/00000009/art00005>
10. Mulaveesala R and Ghali, V S, Cross correlation based approach for thermal non destructive characterization of carbon fiber reinforced plastics, Insight, vol. 53, No 1, pp. 1-3(2011)
<https://www.ingentaconnect.com/content/bindt/insight/2011/00000053/00000001/art00009>
11. Ghali, V S and Mulaveesala R, Comparative data processing approaches for thermal wave imaging techniques for non-destructive testing, Sensing and Imaging International, DOI 10.1007/s11220-011-0059-0 (2011).
<https://link.springer.com/article/10.1007/s11220-011-0059-0>
12. Ghali V S, Mulaveesala R and M Takei, Frequency modulated thermal wave imaging for non destructive testing of carbon fiber reinforced plastic materials, Meas. Sci. Technol, 22 104018 (2011), doi:10.1088/0957- 0233/22/10/104018.
<https://iopscience.iop.org/article/10.1088/0957-0233/22/10/104018>
13. Mulaveesala R and Ghali, V S, Coded Excitation for Infrared nondestructive testing of carbon fiber reinforced plastics, Rev. Sci. Instrum. 82, 054902 (2011); doi:10.1063/1.3594551
<https://aip.scitation.org/doi/10.1063/1.3594551>
14. Ghali V S, S S B Panda and R Mulaveesala, Barker coded thermal wave imaging for defect detection in carbon fiber reinforced plastics, Insight, Vol 53 No 9 (2011)
<https://www.ingentaconnect.com/content/bindt/insight/2011/00000053/00000011/art00008>
15. Ghali, V S and Mulaveesala R, Quadratic frequency modulated thermal wave imaging for non- destructive testing, Progress In Electromagnetics Research M, Vol. 26, 11-22, (2012).
<http://www.jpier.org/PIERM/pier.php?paper=12062101#:~:text=QUADRATIC%20FREQUENCY%20MODULATED%20THERMAL%20WAVE%20IMAGING%20FOR%20NON%20DESTRUCTIVE%20TESTING,By%20G.%20V.%20Subbarao&text=Abstract%3A&text=Experimental%20results%20proved%20the%20enhanced,frequency%20modulation%20with%20pulse%20compression.>

16. Mulaveesala, R., Ghali, V.S., Arora, V. Applications of non-stationary thermal wave imaging methods for characterization of fibre reinforced plastic materials, Electronics Letters, Vol. 49(2), (2013).

<https://ieeexplore.ieee.org/abstract/document/6420086>

17. A.Vijaya Lakshmi, V.Gopitilak,Muzammil M. Parvez , S.K.Subhani, V.S.Ghali” Artificial neural networks based quantitative evaluation of subsurface anomalies in quadratic frequency modulated thermal wave imaging”, Infrared Physics & Technology, Volume 97, March 2019, Pages 108-115

<https://www.sciencedirect.com/science/article/abs/pii/S1350449518308004>

18. Subhani, Sk., Chandra Sekhar Yadav, G.V.P., Ghali, V.S”, Defect characterisation using pulse compression-based quadratic frequency modulated thermal wave imaging “,IET Science, Measurement and Technology,January 2020.

<https://ieeexplore.ieee.org/document/9003661>

19. G. Nagaraju1 , P. Pardhasaradhi, V. S. Ghali , Sateeshkumar deevi” an intelligent watermarking technique for secured medical images with patient health document”, ISSN 0022-4324 ,ISSN 2156-5457, Volume 51 (3): 01-17 ,2020.

<https://www.lepidopteraresearchfoundation.org/abstract.php?id=264>

20. MuzammilParvez M·J.Shanmugam,V.S.Ghali”Decision tree-based subsurface analysis using Barker coded thermal wave imaging”, Infrared Physics & Technology, Volume 109, September 2020.

<https://www.sciencedirect.com/science/article/abs/pii/S135044952030428X>

21. .A.Vijayalakshmi,,V.S.Ghali,Naik.R.Baloji”automated quantitative subsurface evaluation of fiber reinforced polymers”,Infrared Physics & Technology, Volume 109, August 2020.

<https://www.sciencedirect.com/science/article/abs/pii/S1350449520305041#!>