

HOL-Isabelle With Fourier Series + Lp Spaces + Deep Learning -> Probing Advanced Image Processing R&D -> A Short Technical Communication.

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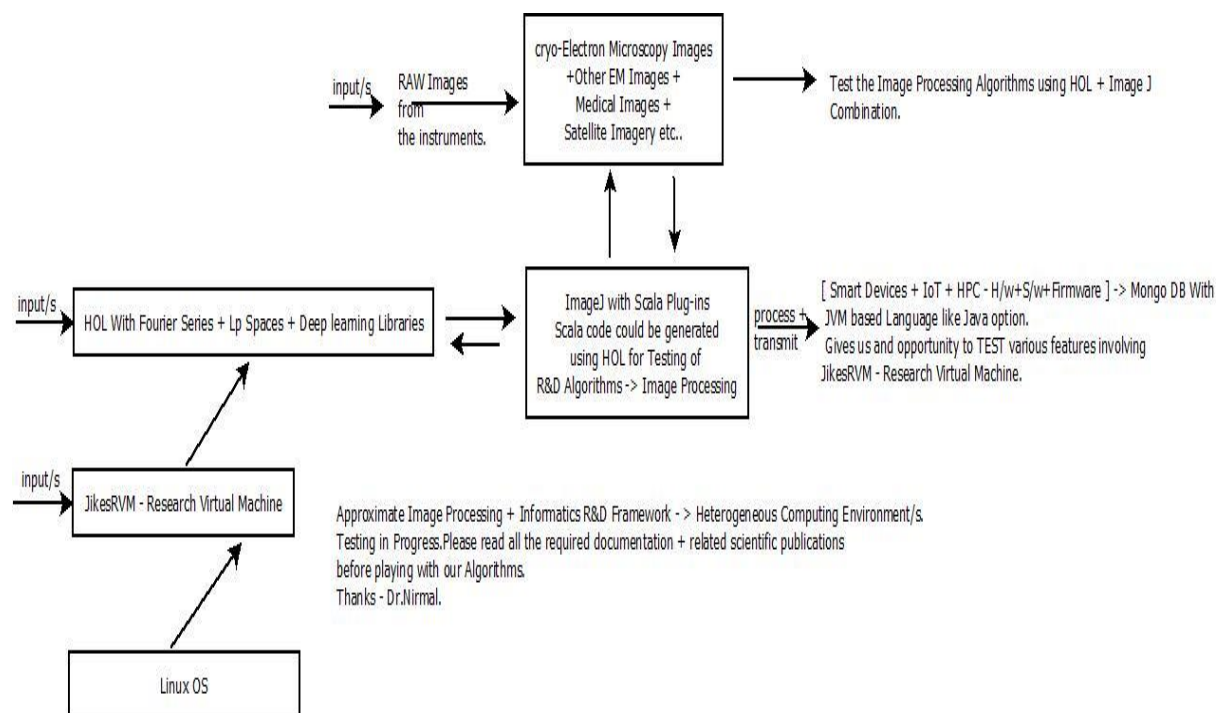
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[I] Abstract + Main Idea + Inspiration :

HOL-Isabelle based investigations in the context of cryo-EM Image Processing Using Fourier Series + Lp + Deep Learning HOL Libraries + Scala + Scala-Plugin + ImageJ+ Jikes RVM- Research Virtual Machine(RVM)/Java based technology + IoT/HPC-> Heterogeneous R&D Environments -> A Simple + Useful Suggestion.

[II] R&D Image Processing + Informatics Framework Using our Suggested Tools :



[Simple Algorithm - Testing Next Generation Image Processing Architecture]

[Figure I – Our R&D Image Processing Algorithm – TEST BED ARCHITECTURE]

[III] Important Related References from Vixra.org + Elsewhere :

From Vixra.org ->

- [a] http://www.vixra.org/author/d_n_t_kumar
- [b] http://www.vixra.org/author/n_t_kumar
- [c] <http://www.vixra.org/author/Nirmal>
- [d] http://www.vixra.org/author/nirmal_tej_kumar
- [e] <https://www.semanticscholar.org/author/Nirmal-Kumar/12354503/suggest>
- [f] <https://vixra.org/pdf/1901.0133v1.pdf> - by Nirmal.

From HOL-Isabelle Website ->

- [a] <https://www.isa-afp.org/entries/Fourier.html>
- [b] <https://www.isa-afp.org/entries/Lp.html>
- [c] https://www.isa-afp.org/entries/Ergodic_Theory.html
- [d] https://www.isa-afp.org/entries/Gromov_Hyperbolicity.html
- [e] https://www.isa-afp.org/entries/Deep_Learning.html

[IV] Acknowledgment/s :

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[THE END]