

# Processing Electron Microscopy Images With ImageAI/EMAN2 Software for cryo-EM Images+Processing/Lattice Theory/QRNG/ Other Related Python Tools in the Context of Developing Software R & D Algorithms → A Simple Suggestion.

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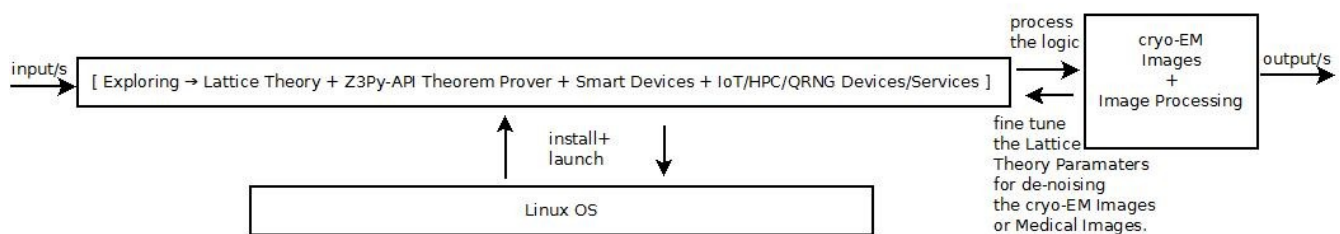
## [I] Inspiration + Introduction :

<http://www.ehu.eus/ccwintco/uploads/d/db/Ritter-Spain2talk.pdf> – Lattice Theory & Imaging Applications.

Exploring → Lattice Theory+EMAN2 Software for cryo-EM Images + Z3Py-API Theorem Prover + Smart Devices + IoT/HPC/QRNG Devices/Services for Cryo-EM Images + Image Processing.

## [II] Informatics Framework for Testing R&D Algorithms :

A SIMPLE CRYO-EM IMAGE PROCESSING & INFORMATICS FRAMEWORK USING LATTICE THEORY RELATED CONCEPTS  
ONE OF THE PIONEERING R&D EFFORT IN THE CRYO-EM/MEDICAL IMAGING DOMAINS  
FOR NEXT GENERATION IoT/HPC - HETEROGENEOUS COMPUTING ENVIRONMENTS.



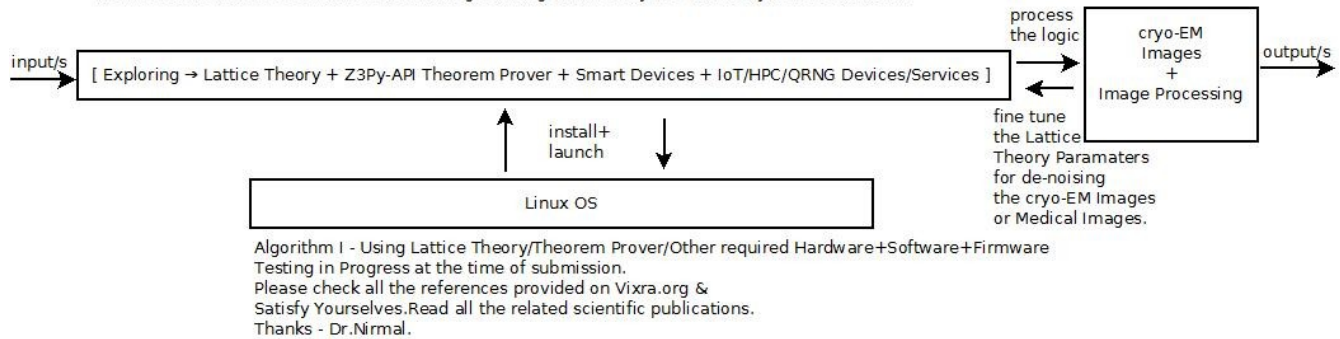
Algorithm I - Using Lattice Theory/Theorem Prover/Other required Hardware+Software+Firmware  
Testing in Progress at the time of submission.  
Please check all the references provided on Vixra.org &  
Satisfy Yourselves.Read all the related scientific publications.  
Thanks - Dr.Nirmal.

[ Figure I – Algorithm I – Our Image Processing + Informatics R&D Framework Using Lattice Theory as the Mathematical Tool – Approximate Idea Only – Actual Implementation Will Vary ].

**\*\* We have demonstrated a number of Technical Ideas in the past (((via))) Vixra.org.  
Hence not going into the details.  
Only an Idea is presented.  
Written in Free Style.**

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Also it is possible to play with OCaml+CoqTheorem Prover+q\*cert+Other Ideas Using Python  
based interfacing in the Context of cryo-EM Image Processing R&D +IoT/HPC Systems.  
Readers who are interested in Functional Programming could easily use OCaml-Python Framework.



**[ Figure II – Algorithm II – Our Image Processing + Informatics R&D Framework Using Lattice Theory as the Mathematical Tool – Approximate Idea Only – Actual Implementation Will Vary ].**

### [III] Acknowledgment/s :

Special Thanks to all my Mentors+Friends+Collaborators. Non-Profit R&D.

### [IV] Information on Scientific Publications (((via))) Vixra.org & Other Sources :

#### [a] Vixra.org →

#### Multi-disciplinary Short Communications/Technical Notes (((via))) Vixra.org :

- [i] <http://www.vixra.org/author/nirmal>
- [ii] [http://www.vixra.org/author/d\\_n\\_t\\_kumar](http://www.vixra.org/author/d_n_t_kumar)
- [iii] [http://www.vixra.org/author/n\\_t\\_kumar](http://www.vixra.org/author/n_t_kumar)
- [iv] [http://www.vixra.org/author/nirmal\\_tej\\_kumar](http://www.vixra.org/author/nirmal_tej_kumar)

#### [b] Other Sources →

- [i] <http://dx.doi.org/10.5958/0975-8089.2016.00001.4> – Understanding JikesRVM/cryo-EM Images.
- [ii] DOI:[10.5958/0975-8089.2019.00006.X](https://doi.org/10.5958/0975-8089.2019.00006.X) – Haskell+Erlang Cryo-EM Image Processing.
- [iii] Article DOI : [10.5958/0975-8089.2020.00001.9](https://doi.org/10.5958/0975-8089.2020.00001.9) – Image Processing R&D.

**[ THE END ]**