

IMAGEAI Interaction with ImageJ via Jython Plugin/JikesRVM in the context of Advanced Image Processing and Analysis – A Useful Insight into the Promising World of AI,Python & Java Based Image Processing Informatics Framework.

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[A] Introduction & Inspiration :

“A python library built to empower developers to build applications and systems with self-contained Deep Learning and Computer Vision capabilities using simple and few lines of code.”

“A python library built to empower developers to build applications and systems with self-contained Computer Vision capabilities” - <http://imageai.org>

Source : <https://github.com/OlafenwaMoses> / <https://www.deepquestai.com/>

Understanding JikesRVM in the Context of Cryo-EM/TEM/SEM Imaging Algorithms and Applications – A General Informatics Introduction from a Software Architecture View Point

Source : DOI: 10.5958/0975-8089.2016.00001.4

<http://vixra.org/abs/1812.0421> - A Short Technical Communication on Ising Model as Mathematical Tools to Probe CryoEM /SEM/TEM/Raman Spectroscopy/FTIR Based Images/MRI Pulse Sequences- Using Python – An Interesting Suggestion & Insight into the Promising World of Image Processing Domains

<http://vixra.org/author/nirmal> – Helmholtz Equation/Image Processing.

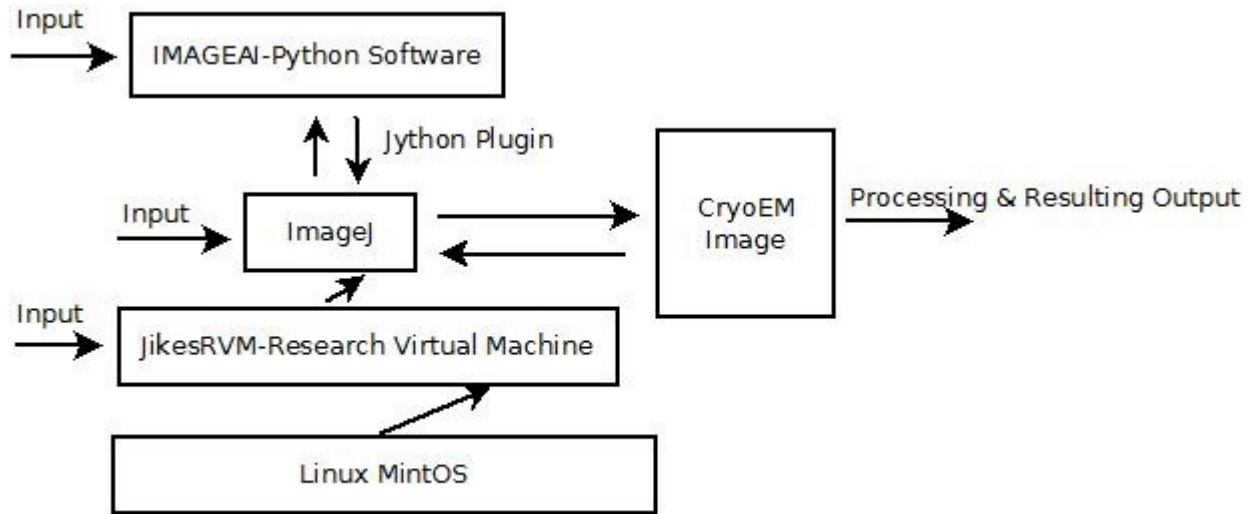
<https://www.ima.umn.edu/2016-2017/DSS9.6.16-5.30.17/25478>

<https://www.fei.com/life-sciences/history-of-cryo-em/>

https://en.wikipedia.org/wiki/Cryogenic_electron_microscopy

<http://cryoem.berkeley.edu/>

[B] AI Supported Informatics of Python & Java Based Image Processing Framework :



Approximate AI Based Image Processing Framework & Its Informatics

**Figure I – Approximate AI Based Image Processing Framework & Its Informatics
Actual Implementation could vary to some extent.
Please check & Satisfy.**

*****Please read all the materials presented as references to understand before you start implementing this algorithm. Written and presented only to inspire other researchers.**

**** NON Profit R&D*****

[C] Additional Information on Mathematics & Software Used :

http://vixra.org/author/nirmal_tej_kumar

http://vixra.org/author/d_n_t_kumar

http://vixra.org/author/n_t_kumar

<https://web.ma.utexas.edu/users/hadani/publications.htm>

https://imagej.net/Jython_Scripting / <https://imagej.net/Welcome> / <https://fiji.sc/>

<https://arxiv.org/abs/1803.06714> – cryoEM Imaging Mathematics.

<http://vsarkar.rice.edu/research/publications/publi-jikes/>

https://researcher.watson.ibm.com/researcher/view_group.php?id=214

<http://dmakarov.github.io/work/guide/>

<https://www.jikesrvm.org/>

<https://www.python.org/>

<http://www.jython.org/> ; <https://www.ibm.com/developerworks/java/tutorials/j-jython1/j-jython1.html>

<https://www.javalobby.org/articles/jython/>

THE END