Version 4.2.6

Features

- Support for Leica M-series stereo microscopes
- Support for motorised z-stage controller Ludl MAC 6000
- Support for motorised xy-stage controller Ludl MAC 6000
- Support for Prior's stepper motor focus drive and ProScan controller
- Support for Andor AMH-200-F6S light source

GUI

- Fix wrong index value calculation when translating exposure value to index using slider's LUT resulting in slider not being moved at certain points when exposure is changed through buttons' clicks.
- Fix issue of jerkiness of z stage position widgets
- Fix z-position progress bar behaviour issues
- Fix issue of a significant delay in the control panel update
- Refresh exposure slider handle position and spinbox value on LUT update (e.g., used when changing lower bound of exposure through --high-speed flag)
- Stack interval update on change of sectioning value now working and works as follows. If the stack interval has been manually modified by entering value into infobox--do not update it on change of values affecting calculation of sectioning--otherwise, if sectioning has been selected, do so.
- Fixed calibration view button state persistence on tab switch
- Fix stack interval's initial value assignment

Bug fixes

- Fix shutter opening related issues
  - Shutter is being opened when moving from expert mode tab to any other tab
  - Shutter is temporarily opened when moving to expert mode tab
  - Shutter is being opened even with paused state in live mode and while moving back and forth between live mode and other tabs
  - Shutter is being opened during trans-illuminated mode acquisition
- Add missing timestamp update in order to get rid of clustered timestamps in fast mode acquisition data
- Fix Orca Flash issues with producing data for stitching
- Fix problem with writing OME companion files in different system locale
- Fix problem with writing widefield acquisition data after binning value has been changed
- Fix invalid pixel size report in metadata

- Fix issues with delayed exposure change when using PCO Edge
- Reduced number of the Nikon Ti-E's clicks
- Removed superfluous turret cycle after calibration

Application

- Support for HID based μManager adapters (e.g., easily add new HID device to our list, load/unload and other device handling operations generalised to HID adapters other than hard-coded Clarity)
- Ability to re-use a COM port for different devices
- Poll devices in separate threads and only after all are set
- Trans-illumination delay can be set in Visionary's configuration file
- OpenCL vendor and device can be set in Visionary's configuration file
- Changed default Fiji's path in order to fix issues with permissions on Windows. The path can be also specified in Visionary's configuration file

Behaviour

- Set stack interval manually
- Z position allowed to go below zero
- Persistent expert mode settings across different channels
  - It's possible now to have trans-illumination on different channels during acquisition
  - In expert mode, each channel may be in only one of the three states which are: illuminated by incandescent lamp or any other light source but not both, or not employing any light source (DEPRECATED: currently each channel may be in one of four states: illuminated by incandescent lamp or any other light source or both, or not employing any light source)
- Automated stack interval calculation with no dependence on filter cube's excitation wavelength
- Filters are now listed in alphabetical order