Meeting Minutes – GenICam – 2012-09-11

1. Homework Status/Voting Members
   - AVT – GenTL Validation Framework
   - Basler – GenICam 2.3.1
   - Baumer – Meeting, Sequencer
   - Matrix Vision – GenICam 2.3.1
   - Matrox – SFNC 2.0
   - MathWorks – Standards Booth May, GenAPI for Mac, SFNC
   - MVTec – GenICam 2.3.1, Homepage, GenTL SFNC
   - National Instruments – GenICam 2.3.1, Prototype in Reference Impl.
   - Pleora - SFNC
   - STEMMER IMAGING – GenCP/GenTL
   - Teledyne DALSA – GigE2.0 Stuff

2. GenAPI/CLProtocol – Status & Roadmap (Fritz Dierks, Basler)
   - Release v2.3.1
     - Bugfixes
       - CLProtocol - Race Conditions
       - Node Map Persistence
       - Xerces/Xalan – new Version
       - GenApi 2.3 doesn’t work on PharLap
     - Better first time loading (factor 3)
       - Speed-up GenICam first time loading
   - Open Tickets
     - CLProtocol
     - FeatureBag Persistance
     - Crashes
     - String Issues
     - MaskedIntReg
     - Typo
   - Feature Requests
     - Clarifications
     - StandardNameSpace - deprecated
     - MathParser’s ROUND
     - Cross Compiler Compatibility
     - String Issues
     - FeatureBag Streaming – open a discussion at the trac-system
     - Mother’s little helpers – INode and INodeMap, lock, injection of multiple files
     - IsDone – open discussion
   - Roadmap
     - GenAPI v2.4 (old roadmap)
       - Add compact code
- Add manifest handling code
- All ListOfValidValues
- GenICam 3.0 (new idea)
  - Re-factor GenICam
  - No DOM any more
  - Small footprint
  - Load extremely fast
  - Fix some annoying problems
  - Keep full interface compatibility to v2.3
- WORD document is available in svn
- Open a discussion in trac
- No big effort on size and speed for GenAPI v2.4

• Discussion
  - Add: cmake to create static libraries (STEMMER)
  - Cross-compiler possibilities
  - Make GenAPI compatible with new SFNC features (STEMMER)
    - New Source Control model implies multi-threaded GenAPI?
  - We need also implementations for the embedded world (S2I)

3. Vision Standards Meetings – How to run them in Future? (Cor Maas, EMVA)
• Big success
• All key companies are available
• Social side also works very well
• The local machine vision organization can assist the host company (EMVA, AIA, JIIA – G3), also with financial things
• The meetings should not only alternate between North America and Europe, but also include Asia
  - Most standards needs GenICam → separate day
  - PlugFest also needs to be a separate day
  - All other meetings could be run in parallel
• Discussion
  - How we can integrate the Asian people?
  - Presentation of a typical week schedule

4. GenTL (Rupert Stelz, STEMMER IMAGING)
• Next version v1.4 or v2.0
• Target: draft for next meeting
• Validation Framework for Producer
  - Use and test the framework and please give feedback

5. GenTL SFNC (Christoph Zierl, MVTec)
• Separate the non-mandatory features to a separate document
• Standard texts (GEV, U3V, ...) should only include a small set of features
• Compatible to GenTL 1.3
• New home for all TL-specific GenTL features
6. **GenCP (Rupert Stelz, STEMMER IMAGING)**

- RC3 was sent out
- Active discussion about the endianness (Big—original GenCP, Little—native USB)
  - For registers we keep the bit numbers
  - For fields: throw away bit numbers, clarify length in bits (vote)
    - OSI: 4
    - No OSI: 7
  - Consistent field order (vote):
    - 11:0
  - Presentation of data fields and registers in GenCP like in U3V spec (vote):
    - 11:0
- No other show stoppers!

7. **Administrative Topics (Christoph Zierl, MVTec)**

- Added new members
- Office Address (EMVA) moved from Frankfurt to Barcelona
- Updated Wiki entries
- Trac: Running very well
- Now various Trac systems available:
  - GenICam
  - GigEVision
  - USB3Vision
  - CoaXPress
    - [https://xxx.mvtec.com/trac/xxx](https://xxx.mvtec.com/trac/xxx)
- Marketing
  - No subcommittee at this time
  - Is up to the EMVA to create a new subcommittee
  - Need help for the vision show
  - New/old members: Basler, Matrox, MVTec, STEMMER

8. **SFNC (Stephane Maurice, Matrox Imaging)**

- Official release is SFNC 1.5.1
- Sent the new version SFNC 2.0 RC2
- Vote until the end of September
- Is now TL neutral
- Trigger model description and drawing was added
- Updated PixelFormat feature according to the officially released PFNC
- GEV 2.0 new features added
- Category of every feature was added
- Discussion: Link vs. Connection
- Added some new other features
• Discussion about renaming DeviceID to DeviceSerialNumber (vote)
  ▪ Leave it as it: 4
  ▪ Find a better name in SFNC: 5
    ➢ DeviceID will be renamed to DeviceSerialNumber
• Change the name of TestImageSelector?
  ▪ Yes: with unanimity
  ▪ New names:
    ➢ TestImageSelector → TestPattern
    ➢ TestPatternGeneratorSelector (new SFNC 2.0 feature)
• Sequencer
  ▪ SequencerSetFeatures
    ➢ Lists all features affected
    ➢ Enumeration like ChunkMode and ChunkEnable
    ➢ Add a Chunk Feature: ChunkSequencerActiveSet
  ▪ Finalize the proposal
  ▪ Vote on next meeting
  ▪ Make a proposal for UserSets (UserSetFeatures)
• SFNC 2.1
  ▪ Only finalized proposals
  ▪ Maybe USB3Vision and CLHS specific things

9. Homework session
• Homework list/items
• Next meeting: not yet fixed, possibly in Korea in March 2013