T-SAIL WiKi:

Start Page

Laboratory Ethernet Network

IP addresses pool

Instrumentation

ADV - Acoustic Doppler Velocimeter

Wind-Waves Flume Blower Controls
Main blower 10HP motor

CR data loggers

ViewWorks 180fps cameras
Flea3 Point Grey (PGR) cameras

Laser position sensor

Linear actuator

CCA
Camera Phantom MIRO-310
MSR mini data loggers
MCCDAQ USB-2416-4AO: V and TC card
Motorized Instruments Carriage Controls

Motus-Tech Linear Stage
Parker Linear Stages

RM Young Sonic anemometer

Stepper motor
Wave gauges amps- 8 Resistance type (Eli Nevo)
WaveMaker Controls
Wave Monitor - Churchill WG amplifiers
Wind Flume Characteristics

METAPHASE ULC-2 Universal LED Controller

HygroClip 2 (HC2) Humidity Temperature Probe

Velocity Measurements

CTA
Dantec Dynamics Automatic Calibrator
Pitot tubes
Combo

Algorithms/Programs

Matlab code for NI devices data acquisition
PTV - Particle Image Velocimetry (Matlab by Dan)
Simple Matlab fft routine (incl windowing)
NN - Neural Network for combo probe (Matlab routine)
PTM - Phase Time Method for waves breaking detection (Matlab)
Wave Gauges Calibration Procedure
Wind profile code procedure
Microsoft Word Tips

Inventory

Full Inventory
Lab purchasing table

Engineering Tasks

Engineering Tasks

Literature and Reviews

Dan's papers archive (Mendeley format)

T-SAIL Projects

Anabatic Flow: Lab

Acoustically Generated Jet

Sample Project: Copy Me

Test Page

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