

INTERNSHIP PROPOSALS - 2016

TECHNICOLOR R&D FRANCE

RESEARCH & INNOVATION

OCTOBER 2015

technicolor.com

R&I Internship proposals for 2016 – 1/3

Internship reference

MCL_2016_DM_FM_HCI_001

MCL_2016_HCI_002

MCL_2016_HCI_HF_003

MCL_2016_CV_004

MCL_2016_CV_005

MCL_2016_CV_006

MCL_2016_CV_007

MCL_2016_CV_CG_HCI_VP_008

ISL_2016_VP_009

DPL_2016_DC_010

DPL_2016_SP_VP_011

DPL_2016_DC_012

DPL_2016_DC_013

Internship title

Exploring the story creation documents to help storywriters

Haptic signal pitch processing

Best moment replay

Image and video processing with an extended pixel representation

Light-Field Superresolution

New method for calibrating Light Field cameras

Plenoptic lens design optimization strategy

Dynamic and virtual media screen in domestic environment

Authored Lightning Control

Generic & Customizable smart sensors platform

Signal Processing for Anti-piracy

High availability in a virtualization platform

User friendly method for Home network virtual extensions

R&I Internship proposals for 2016 – 2/3

Internship reference

DPL_2016_DM_014

DPL_2016_DM_015

DPL_2016_DM_016

DPL_2016_DM_017

ISL_2016_VP_018

ISL_2016_CV_VP_019

ISL_2016_CV_VP_020

ISL_2016_CV_VP_021

ISL_2016_VP_022

ISL_2016_VP_023

DPL_2016_DC_024

DPL_2016_IOT_025

DPL_2016_DC_026

Internship title

Inferring Device Failures from Online Discussions

Guess who is sitting on the couch

acoustic gait/staircase person recognition

Mining activities of the daily living from sensor data for Smart Home applications

Analysis and improvement of the SAO post-filter in HEVC

Light Field Fourier slice re-focusing

Perceptual coding for new gen video codec

Hi Mom! Video chat-specific video compression algorithms

Content-dependent Stylization

Portrait Declipping using Facial Model

Dynamic Service Chaining for Virtualized Network Functions

Energy harvesting, power efficient, RFID sensing tag

Named Data Networking experimentations for future home usages

R&I Internship proposals for 2016 – 3/3

Internship reference

Internship title

MCL_2016_CG_CV_HF_027	Study of cinematographic effects for fully immersive movies
ISL_2016_CV_VP_028	Multimodal-based Interestingness Prediction
ISL_2016_CV_033	Automatic detection of tracked object with handheld cameras
DPL_2016_DC_034	Analytical model for the design and evaluation of a Virtual Network Function at the Edge infrastructure
ISL_2016_CV_VP_037	Deep visual search
ISL_2016_VP_038	Vocal Double
ISL_2016_CV_VP_039	Multi-image editing
MCL_2016_CG_041	Analytical Techniques For Global Illumination
MCL_2016_CG_042	Multiple-depth-based Visual Effects
MCL_2016_CG_043	Procedural sky modelling and rendering