



(Senior/Principal) Researcher, Video Compression and Signal processing

Company: Technicolor (www.technicolor.com)

Location: Technicolor Research and Innovation
1, av. de Belle-Fontaine - CS 17616
35576 Cesson-Sevigne Cedex – France

Position: full time Senior/Principal Researcher

Deadline: open

Interested candidates should email a CV and a motivation letter to:

Philippe Guillotel, Distinguished Scientist

Email: philippe.guillotel@technicolor.com

Web: <http://www.thlab.net/~guillotelp/>

CONTEXT

Technicolor provides technology, systems and services to its Media & Entertainment clients involved in the different components of the video chain (content creation, production, distribution and access). Technicolor Research & Innovation (R&I) is the research division of the group. The R&I mission is to provide Business Units with first-class technical solutions fitting their needs and to explore longer term technologies. In particular, video compression is one of the technology areas where Technicolor has a strong background with recognized expertise, best in class products and successful participation to standardization bodies such as ISO/IEC SC29/WG11 (aka MPEG) and ITU-T VCEG groups.

On this basis, Technicolor R&I Rennes (France) is looking for a senior/principal researcher to reinforce our technical leadership in Video Compression and Applications. This position will involve participating in hands-on research work as well as in the creation of vision, research strategy and new projects. Active contribution to international standardization is also expected.

JOB RESPONSIBILITIES

As senior/principal researcher, work-package leader and member of our research staff, the selected candidate will be in charge of:

- Anticipate and monitor state-of-the-art progress in video compression.
- Propose advanced encoding schemes, taking into account future video formats.
- Analyze, evaluate and improve video processing algorithms related to video coding.
- Actively contribute to video coding standardization bodies (MPEG, VCEG ...).
- Perform project management in terms of process, reporting and planning.
- Build relationships with the research community and attract top-notch interns and post-docs.
- Lead and mentor a team of 6-8 research engineers.
- Publish in leading research journals and conferences and contribute to developing IP.
- Promote external collaborations and seek funding opportunities.

SKILLS AND QUALIFICATIONS

- Ph.D. in Electrical Engineering, Computer Science, Applied Math or other relevant discipline.
- Engineering degree from "Grandes Ecoles" for candidates graduated in France.
- 3+ years research experience following PhD. Industry experience is preferred.
- Strong background in Video Compression and Image Processing.
- Experienced in software development (C/C++, PC environment, Windows/Linux)



- Proven track record in publications, technical innovation and problem solving.
- Team spirit, enthusiastic, motivated, and creative attitude.

In addition to the above, some knowledge in some of the following areas is expected:

- Signal processing & analysis
- Computer Science
- Color Science

ABOUT TECHNICALOR

Technicolor (Euronext Paris: 18453; NYSE: TCH). With more than 95 years of experience in entertainment innovation, Technicolor serves an international base of entertainment, software, and gaming customers. The company is a leading provider of production, postproduction, and distribution services to content creators, network service providers and broadcasters. Technicolor is the world's largest film processor; the largest independent manufacturer and distributor of DVDs (including Blu-ray Disc); and, a leading global supplier of set-top boxes and gateways. The company also operates an Intellectual Property and Licensing business unit managing more than 40,000 patents.

Technicolor Research & Innovation centers are located in Rennes and Paris (France); Hanover (Germany); and Beijing (China).

Some of our brands:

TECHNICOLOR

technicolor



www.technicolor.com

Worldwide Services for Film Production, Theatrical Distribution, Home Entertainment, Television Broadcasting, Commercials, Games.

THE MOVING PICTURE COMPANY

MPC

www.moving-picture.com

Digital Visual Effects and Post-Production for the international advertising, television and feature film industries.

RENNES

Capital of the "Bretagne" region, Rennes is a dynamic and young city in the western part of France, 200 miles west of Paris (2 hours by TGV). With 25% of its population being students, Rennes is very active and any type of cultural or sport activity may be found easily.

The foreign students' community is quite important and well received with for example the "Rennes Vous Parraine" association supporting them.

Useful links:

- <http://maps.google.fr/>
- <http://www.rennes.fr/>
- <http://www.rennes-metropole.fr/>
- <http://www.etudiants-rennes-metropole.fr/>
- <http://www.tourisme-rennes.com/>
- <http://www.bretagne.com/>
- <http://www.ifa-rennes.org/index-ang.php3>

Rennes is a twin city of: Rochester (USA), Sendai (JP), Jinan (CN), Exeter (UK), Erlangen (DE), etc... (<http://www.rennes.fr/index.php?id=196>)

Welcome to Rennes!