



CONTACT INFORMATION

France

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RESEARCH & DEVELOPMENT INTERESTS:

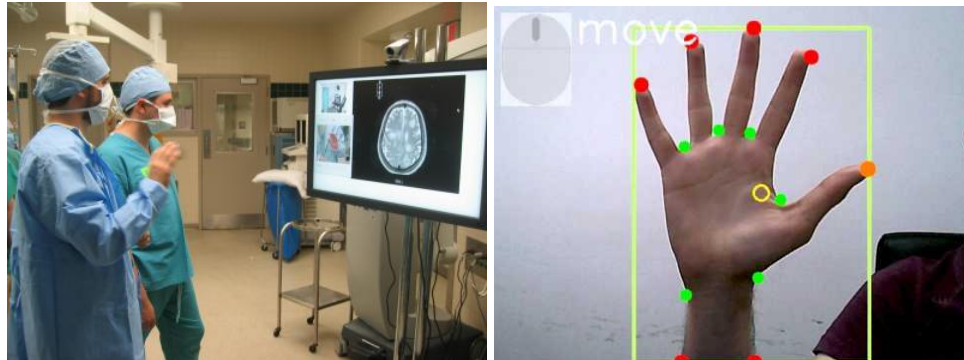
- Remote Robotics
- Telemedicine
- Haptics
- Control over Communication Networks
- Cooperative Control
- Human-Machine Interaction
- Mechatronics
- Multimodal Telepresence Systems
- Perception-Oriented Control
- Distributed Virtual Reality
- Augmented Reality
- Computer Vision
- Signal and Image Processing.

PROFILE:

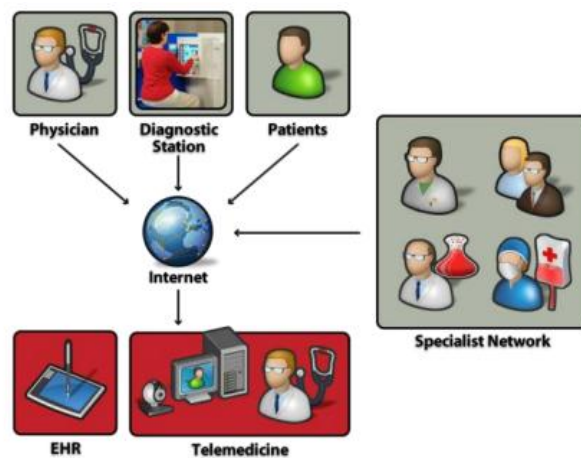
- **PhD**, Remote Robotics and Telemedicine
- **Master** , Entrepreneurship and Business Administration.
- **Associate Researcher**, LISV  , Orange Labs  , France.
- **Consultant**, Robotics Lab Constuction at AIU  (Robotics, Haptics, AR).
- **Junior Professor, Lecturer**, at French and Syrian and Jordanian Universities:
 - Responsible of the following courses:
"Introduction to robotics", "Computer Vision", "Multimedia", "Telemedicine",
"Data and Computer Communications", "Modeling and Simulation",
"Sensors and Transducers".
 - Supervision of graduation projects and masters in Robotics and AR fields.

- **Research and Development Projects Supervisor**

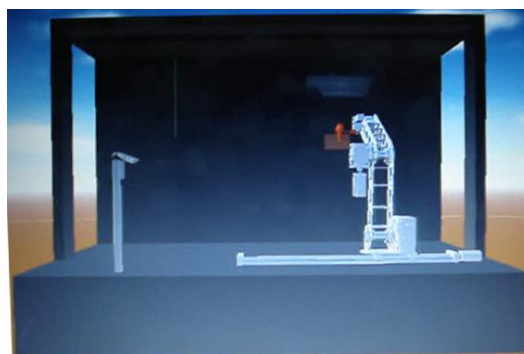
- *Hand gesture detection and recognition :*



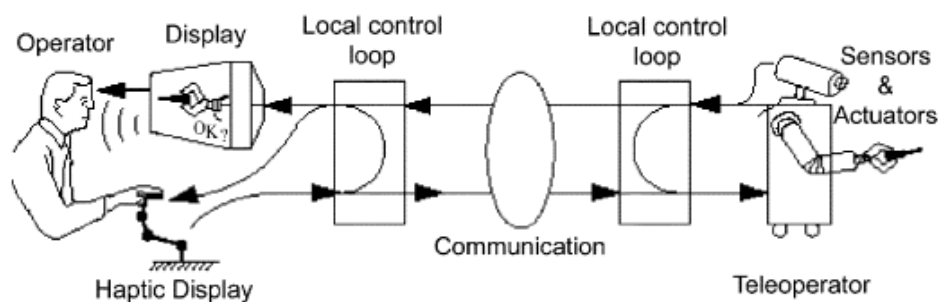
- *HMIS Hospital Management and information System :*



- *Robotic Painting System:*



- *Teleoperation using human arm as master (through kinect /haptic interface)*



PUBLICATIONS

- **F. Al-Chama, et al.** “*Haptic E-learning in Surgical Education*” accepted for publishing in the book "E-Learning / Book 4", published by INTECH, November 2011.
 - **F. Al-Chama**, D. Chêne, N. Tarrin, S. Delaplace, E. Monacelli, C. Cornelius (2008) “*The effect of network characteristics on e-health Telehaptics applications*” IEEE ICTTA'08, Damascus, Syria.
 - **F. Al-Chama** (2005) “*Effects of swallowing on central respiratory pattern generator*” Congrès de la Société de physiologie, Rennes, France.
 - **F. Al-Chama**, (2005) “*Effets de la Déglutition Sur la Genèse du Rythme Respiratoire*” XXVème Séminaire de la SFBT Dynamique des Signaux et des Structures : de la cellule À l'organisme, Saint-Flour Cantal, France.
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