

## IDENTITY

**Sawsan SADEK**  
Associate Professor  
Telecommunications and Computer  
Networks Engineering Department  
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## FORMATION

- 1996 (June) PhD in Microelectronics.  
*University of Sciences and Techniques of Lille, France.*  
**Grade:** High HONORS
- 1992 MS. in Electronics, Microwave speciality.  
*University of Sciences and Techniques of Lille, France.*  
**Grade:** Very Good (range : 3/40).
- 1990 BS. in physics.  
*Faculty of Sciences, Lebanese University, Lebanon*  
**Grade:** Very Good (Range : 1/20).

## PROFESSIONAL EXPERIENCES

- Since  
January 1998 Associate Professor in Electronics and Microwave systems  
*Lebanese University - IUT of Saida*  
Analog Electronics  
Analog processing signals  
Microwave and remote sensing  
Supervisor of several graduate projects where we modeled microstrip antennas,  
microwave circuits such amplifiers, filters, ...
- 97-98  
April to  
September Manager of studies and systems development based on waveguides in Hyper  
Technologies of Balloffet Group at Claves Sous Bois, France
- 1992 to 1995 Computer Teaching Replacement  
*University of Sciences and Techniques of Lille, France.*  
Characterization of Microwave circuits, S-parameters measurement.
- 2005-2006 Supervisor of engineer graduate project in CNAM university of Manal TAKI  
"Realization of microwave Doppler sensor for automotive applications"  
Grade : very good

## LIST OF MAIN PUBLICATIONS

**S. Sadek**, P.Descamps, J.Vindevoghel

"Tête Doppler dans la bande K"

Huitièmes Journées Nationales Microondes, Brest, Mai 1993.

J. Vindevoghel, P. Descamps, F.Bouazza, **S.Sadek**

"Microwave Doppler sensors for automotive applications"

Autronics 93, Sindelfingen(D), October 1993.

P. Descamps, F. Bouazza, **S. Sadek**, J. Vindevoghel

"Advanced Microwave Sensors for Transportation Applications"

7th Symposium on Transportation Systems, Tianjin (China), August 1994.

P. Descamps, J. Vindevoghel, F. Bouazza, **S. Sadek**

"Microwave Doppler sensors for terrestrial transportation applications"

I.E.E.E. Transactions on Vehicular Technology. (accepté le 8 Février 1996).

F. Carrez, **S. Sadek**, P. Descamps, J. Vindevoghel

"Investigation of a K-band oscillator employing GaInP/GaAsHBT"

Nomadic Microwave Technologies and Techniques for Mobile Communications and Detection 95, IEEE MTT & ED France, Arcachon, November, 1995.

**S. Sadek**, R. Hage Chehade, A. Assoum, J. Vindevoghel, P. Descamps

'Microcapteur monolithique sur Arséniure de Gallium en bande K à base de HEMT 0.2  $\mu\text{m}$ '

Deuxième Congrès Sur les Matériaux (CSM2), Beirut, LIBAN, Mai, 2000

R. Hage Chehade, A. Assoum, **S. Sadek**, M. Hajjar

'Reconnaissance de forme des surfaces antagonistes de faibles dimensions utilisant un capteur en PVF2'

Deuxième Congrès Sur les Matériaux (CSM2), Beirut, LIBAN, Mai, 2000

Ayman ABDALLAH, **Sawsan Sadek**, Mohammed Rammal, Patrick Vaudon and Michel Campovecchio,

"LOW POWER INJECTION FOR DIRECTION FINDING WITH SIX-PORT REFLECTOMETER ARRAY" GINA, Septembre 2003, Nice, France

[11] **Sawsan SADEK**, , Mohammad Rammal, Fouzia BOUAZZA, Jean VINDEVOGHEL,  
« Utilisation de matériaux diélectriques pour la réalisation d'antennes hyperfréquences imprimées destinées aux applications odométriques » Congrès Sur les Matériaux CSM3, 2002, Beyrouth, Liban

[12] M. Taki, **S. Sadek**

"Utilisation de l'Epoxy pour la réalisation de réseaux d'antennes plaquées hyperfréquences"  
Congrès Sur les Matériaux CSM5, Mai2006, Beirut

[13] **Sawsan SADEK**, Manal TAKI, Fouzia BOUAZZA

"Antennes plaquées hyperfréquences à lobe droit et incliné pour applications odométriques"  
SETIT 2007, forth International Conference: **Sciences of Electronic, Technologies of Information and Telecommunications**, IEEE, March 25-29, 2007 – TUNISIA

[14] **Sawsan SADEK**, Jean VINDEVOGHEL

"A microwave Doppler sensor in K-band for terrestrial Applications"  
INTED 2007, International Conference on Technologies for Education Development, March 2007, Valencia, SPAIN

[15] Sawsan SADEK, Malak Karaki, Zeinab Farhat

« Réseau d'antennes plaquées hyperfréquences large bande pour des applications WLAN »  
E-Medisys, International Conference for medial applications, IEEE, October 2007, Fez, Morocco

[16] Sawsan SADEK, Mohammad HAJJAR

"Microstrip antennas for telemedicine applications"  
INTED 2008, International Conference on Technologies for Education Development, March 2008, Valencia, SPAIN

[17] Sawsan SADEK, Mohammad HAJJAR

"A compact low-cost microwave Doppler Radar in S-band"  
INTED 2008, International Conference on Technologies for Education Development, March 2008, Valencia, SPAIN