CURRICULUM VITAE

1. GENERAL INFORMATION

Last name: SEDDIKI.
First name: Hassene.
Date and place of birth: 12/05/1974 à Alger.
Home address: 05 rue Pilon d'Or, Ruisseau, 16016 Algiers, Algeria.
Marital status: Single.
Nationality: Algerian.
Home Phone number: +213 21 673 223
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2. EDUCATION

- Patent of Fundamental Teaching mention very well.
  High School: Cycle Teaching Average Ben Ramdhane el Hanafi, Ruisseau Algiers.
  Date of obtention: June 1989.

  Baccalaureate in sciences, with High Honours.
  High School: College Foudil el Ouarthilani, Ruisseau Algiers.
  Date of obtention: June 1992.

- Engineer of State in Civil Engineering obtained at the Civil Engineering Institute of the University of Sciences and Technology Saad Dahlab of Blida.
  Mention: Good.
  Date of obtention: July 2003.
  Speciality: Structures and Constructions
  Subject: "Study of a multi storey steel framed building for administration purposes with a ground floor".

- Degree: Master of Sciences (Magistère en Génie Civil) at the Faculty of Civil Engineering, University of Sciences and Technology Houari Boumediene
  Field: Constructions
  Mention: High Honour and excellent
  Date of obtention: July 2007.
  Subject: "Stress analysis during crack-crazing patterns interactions".

- Doctorate student in Civil Engineering at the Civil Engineering Faculty of the University of Sciences and Technology Houari Boumediene under the supervision of Professor Chabaat Mohamed.
  Speciality: Constructions

Subject: "Analysis of the interactions between a principal crack and a damage zone: Case of amorphous materials".

3. PROFESSIONAL ACTIVITIES

- Training courses in civil engineering during the year 2002.
  Place: BATENCO (Subsidiary of BATIMETAL) Technical Studies Department
  Service of steel frames, Hussein Dey, Algiers.

- School for initiation data processing and automatic office (Windows 2000, Word 2000, Excel 2000), formation in SAP 2000 and Training in MatLab
  Date of obtention: 2003 – 2007.

English language courses at Transfast Languages Center.
Date: 2005 – 2007.

4. SCIENTIFIC ACTIVITIES

a) INTERNATIONAL PUBLICATIONS

- H. Seddiki and **M. Chabaat:** "Crack crazing patterns interactions based on damage criteria*", paper published in International Journal of Advanced Research Materials, Vol. 79-82*, pp. 135-138, August 2009.

- M. Chabaat and H. Seddiki, "Stress analysis during crack-crazing patterns interactions: A mathematical approach", *International Journal of Key Engineering Materials*, Vol. 345 – 346, pp. 1617 – 1620, 2007.

- M. Chabaat and H. Seddiki, "Stress and energy release rate analysis during crack-crazing patterns interactions", *accepted for publication in International Journal of Mechanical Design and Production*.

- M. Chabaat and H. Seddiki, "3D-Stress analysis during the crack-crazing patterns interactions in a brittle material: case of polystyrene", *to be published in International Journal of Materials Sciences.*

- H. Seddiki and M. Chabaat, "2D-Stress analysis during the crack-crazing patterns interactions", *to be published in International Journal of Multiscale Materials and Modelling.*

b) INTERNATIONAL CONFERENCES

- M. Chabaat and H. Seddiki, "Stress analysis during crack-crazing patterns interactions: A mathematical approach", *10th International Conference on the Mechanical Behaviour of Materials* (ICM-10), May 27th thru 31st 2007, Bexco, Busan, Korea.

- M. Chabaat and H. Seddiki, "Stress and energy release rate analysis during crack-crazing patterns interactions", *9th Cairo University International Conference on Mechanical Design on Production* (MDP-9), January 8th thru 10th 2008, Cairo, Egypt.

- M. Chabaat and H. Seddiki, "3D-Stress analysis during the crack-crazing patterns interactions in brittle material: case of polystyrene", *An International Conference on The Fundamentals of Plastic Deformation* (Dislocation 2008), October 13th thru 17th 2008, University of Hong Kong , China.

- H. Seddiki and M. Chabaat, "2D-Stress analysis during the crack-crazing patterns interactions", *4th International Conference on Multiscale Materials Modelling* (MMM2008), October 27th thru 31st 2008, Tallahassee, Florida, USA.

- H. Seddiki and M. Chabaat, "Effect of crack-crazing patterns interactions on energy release rates", *12th International Conference on Fracture* (ICF-12), July 12th thru 17th 2009, Ottawa, Canada.

- H. Seddiki and M. Chabaat: "Effect of Crack-Crazing Patterns Interactions on Energy Release Rates*", 3rd International Conference on Multi-Functional Materials and Structures, MFMS*, to be held on September 14th thru 18th 2010, Jeonju, Korea.

5. LANGUAGES

- **Arabic:** Speak and write fluently (mother's tongue).
- **English:** Speak and write good.
- **French:** Speak and write good.

6. RESEARCH INTEREST

I am interested on the development and application of theoretical and experimental techniques to characterize the response to mechanical, dynamics and thermal loads.

I am particularly interested in formulating analytical and numerical models for characterizing fracture of materials.

I am joining the team of Professor Chabaat on the following research projects:

- Fracture mechanics of materials.
- Interactions crack-damage zone in materials and statistical analysis.
- Development of models for fractured materials using analytical and numerical approaches.