



Kesheng Xu

Curriculum Vitae

Education

- 2004–2008 **Bachelor degree of Physics**, *An Qing Normal University*, China.
2008–2011 **Master degree of theoretical Physics**, *Guang Xi Normal University*, China.
2011–2015 **Ph.D of theoretical Physics**, *East China Normal University*, China.

Research interest

Nonlinear Dynamics, computational neuroscience, complex systems, complex networks, pattern information and self-organization

Experience

Academic activities:

- 2008.12 **The 5st forum of Chinese Conference on Complex System Research**, *Beijing*, China.
2009.08 **The 6st forum of Chinese Conference on Complex System Research**, *Beijing*, China.
2012.03 **The 1st national conference on neural dynamics**, *Shanghai*, China.
2012.07 **The 4st Hands-on Research in Complex Systems School**, *Shanghai*, China.

Joint Ph.D

- 2014–2015 **Cognitive neuroscience CNS**, *New York university*, *New York City*, USA.

Computer skills

- Intermediate PYTHON, L^AT_EX, OpenOffice, Linux, Microsoft Windows
Advanced Fortran, C-language, Matlab, Origin

Communication Skills

- 2012 Oral Presentation The 8st Chinese Conference on Complex System Research
2014 Oral Presentation The 10st Chinese Conference on Complex System Research

Gran Bretana 1111. Playa Ancha. – Valparaiso. Chile

☎ (56)-(32)-2508185 • ☎ (56)-(32)-250 8047 • ✉ kesheng.xu@cinv.cl

Languages

Chinese **Mothertongue**

English **Intermediate**

Conversationally fluent and writing

Publications:

1. **Kesheng Xu** ,Xiyun Zhang,Chaoqing Wang,Zonghua Liu,A simplified memory network model based on pattern formation.Sci.Rep.4,7568(2014).
2. **Kesheng Xu**,Wenwen Huang,Baowen Li,Mekesh Dhamala,Zonghua Liu,Controlling self-sustained spiking activity by adding or removing one network link. Europhys. Lett. 102, 50002 (2013).
3. Guoning Tang,**Kesheng Xu**, and Luoluo Jiang, Synchronization in a chaotic neural network with time delay depending on the spatial distance between neurons, Phys.Rev.E.84.046207(2011).
4. Chunbiao Li,**Kesheng Xu** ,and Wen Hu , Sprott system locked on chaos with constant Lyapunov exponent spectrum and its anti-synchronization.Acta Phys.Sin.60 120504(2011).
5. **Kesheng Xu**,Weidong Zhang, and Guoning Tang,Synchronization and Anti-Synchronization on Hindmarsh-Rose Neuron Model via Single Variable Control.Journal of Guangxi Normal University (Natural Science, 2010).

Gran Bretana 1111. Playa Ancha. – Valparaiso. Chile

☎ (56)-(32)-2508185 • ☎ (56)-(32)-250 8047 • ✉ kesheng.xu@cinv.cl