



keywords

impulsive
 interference
 turbocode
 soft iterative
 decoding
 noise reducer

CodImpulse



CodImpulse is a software solution able to **reduce impulsive noise** in telecommunication systems. This method implements soft iterative decoders based on log likelihood ratio calculation. Technically, it is based on an efficient channel coding embedded in hardware system.

contact

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benefits

- Reduce impulsive interferences
 - Impulsive noise, without our technology Bit Error Rate : 10^{-1} **no signal**
 - Impulsive noise, with our technology Bit Error Rate : 10^{-7} **transmission**
- Compatible with existing transmitter-receiver solutions
 - Software only
 - Complements existing Gaussian noise reducers (TurboCode, LDPC)
 - Affects only the receiver

applications

- PLC
- RF communications
- DSL

Source of the technology

Pr Guillaume Gellé
 CreSTIC



development status

TRL4 : proof of concept ready

patent status

APP registration
 (French software protection agency)



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