As an expert reviewer we would like you to have a look at the aforementioned specific book chapters. What we're looking for are scientists with expertise on nonlinear dynamics that can provide a “second pair of eyes” and confirm whether we represent the fundamentals of the given chapter appropriately, but also whether we capture current progress adequately. In the acknowledgements of the book it will be mentioned explicitly that you have helped us by providing an expert review.

Before you start your review, please go through our preface. It describes our goals and ambitions with the book, and justifies choices reflected in every chapter considering content and length. Each chapter is supposed to be at most 12 pages. As a result, while we will of course take into careful consideration all your suggestions, we cannot guarantee that we will include all of them. Keep in mind that the book concept as a whole has a practical focus and does not go in depth into theoretical concepts. This is done by choice and because textbooks that do this already exist.

To help you with the review, we came up with the following "questionnaire":

1. Are the contents of the chapter scientifically accurate?
2. Are there any particular sections that you consider not clearly written?
3. Does the chapter capture all important fundamentals of its chapter title?
4. Do you believe there is new progress in the field that should be mentioned in this chapter?
5. Are there practical algorithms and computational aspects that we missed but you think are worth highlighting nevertheless?
6. Regarding the further reading section, are there some important historical remarks, concepts, or references that you feel are missing?
7. Any ideas for additional exercise material are very welcomed.
8. Regarding other chapters of the book, do you have any recommendations for expert reviewers for them (you can include yourself)?