## THE UNIVERSITY OF ARIZONA GRADUATE COLLEGE

As members of the Dissertation Committee, we certify that we have read the dissertation prepared by *Yuan-Lu Chen*, titled *Improving Neural Net Machine Translation Systems with Linguistic Information* and recommend that it be accepted as fulfilling the dissertation requirement for the Degree of Doctor of Philosophy.

Michael Hammond	Date: 25 May 2018
Andrew Carnie	Date: 25 May 2018
Sandiway Fong	Date: 25 May 2018
Final approval and acceptance of this dissertation is contingent upon of the final copies of the dissertation to the Graduate College.	the candidate's submission
I hereby certify that I have read this dissertation prepared under my distant it be accepted as fulfilling the dissertation requirement.	lirection and recommend
Dissertation Director: Michael Hammond	Date: 25 May 2018